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Sound science



March 23, 2020

Office of Food Additive Safety (HFS-200)
Center for Food Safety and Applied Nutrition
Food and Drug Administration
5001 Campus Drive
College Park, MD 20740-3835

Subject: GRAS Notification – Soluble Rice Flour

Dear Sir:

On behalf of Cargill, Inc., ToxStrategies, Inc. (its agent) is submitting, for FDA review, a copy of the GRAS notification as required. The enclosed document provides notice of a claim that the food ingredient, soluble rice flour, described in the enclosed notification is exempt from the premarket approval requirement of the Federal Food, Drug, and Cosmetic Act because it has been determined to be generally recognized as safe (GRAS), based on scientific procedures, for addition to food.

If you have any questions or require additional information, please do not hesitate to contact me at 630-352-0303, or dschmitt@toxstrategies.com.

Sincerely,



Donald F. Schmitt, M.P.H.
Senior Managing Scientist

GRAS Determination of Soluble Rice Flour for Use in Food

MARCH 13, 2020

ToxStrategies

Innovative solutions
Sound science

GRAS Determination of Soluble Rice Flour for Use in Food

SUBMITTED BY:

Cargill, Inc.
15407 McGinty Road
Wayzata, MN 55391

SUBMITTED TO:

U.S. Food and Drug Administration
Center for Food Safety and Applied Nutrition
Office of Food Additive Safety
HFS-200
5100 Paint Branch Parkway
College Park MD 20740-3835

CONTACT FOR TECHNICAL OR OTHER INFORMATION

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March 13, 2020

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Acronyms

ALP	alkaline phosphatase
CAS	Chemical Abstracts Service
CFR	Code of Federal Regulations
cGM P	current Good Manufacturing Practice
CIR	Cosmetic Ingredient Review
COA	Certificates of Analysis
DE	dextrose equivalent
EFSA	European Food Safety Authority
FCC	Food Chemicals Codex
FDA	Food and Drug Administration
FFDCA	Federal Food Drug and Cosmetic Act
G R AS	Generally Recognized as Safe
G R N	GRAS notification
HCT	hematocrit
HGB	hemoglobin
JECFA	Joint FAO/WHO Expert Committee on Food Additives
NOAEL	no-observed-adverse-effect level
Pa	pascal-second
PGX	PolyGlycopleX®
PND	postnatal day
ppm	parts per million
RBC	red blood cells
TRS	transgenic rice flour
USDA	U.S. Department of Agriculture
WBC	white blood count

§ 170.225 Part 1, GRAS Notice: Signed Statements and Certification

(1) GRAS Notice Submission

Cargill, Incorporated (Cargill), through its agent, ToxStrategies, Inc., hereby notifies the U.S. Food and Drug Administration (FDA) of the submission of a Generally Recognized as Safe (GRAS) notice for the use of soluble rice flour in foods for human consumption, in accordance with Subpart E of 21 CFR § 170.

(2) Name and Address

Cargill, Incorporated
15407 McGinty Road
Wayzata, MN 55391

(3) Name of Notified Substance

The name of the substance that is the subject of this GRAS determination is soluble rice flour.

(4) Intended Use in Food

Soluble rice flour is intended for use as a texturizing and bulking agent, binder, and carrier (i.e., spray drying/encapsulating aid); it also has film-forming properties and contributes viscosity and body.

(5) Statutory Basis for GRAS Determination

Cargill, through its agent ToxStrategies, Inc., hereby notifies FDA of the submission of a GRAS notice for soluble rice flour, which meets the specifications described herein and has been determined to be GRAS through scientific procedures in accordance with § 170.30(a) and (b).

(6) Premarket Approval Statement

Cargill further asserts that the use of soluble rice flour in food, as described below, is exempt from the pre-market approval requirements of the Federal Food, Drug, and Cosmetic Act, based on a conclusion that the notified substance is GRAS under the conditions of its intended use.

(7) Availability of Information

The data and information that serve as the basis for this GRAS determination, as well any information that has become available since the GRAS determination, will be sent to the FDA on request and are also available for the FDA's review and/or copying during customary business hours, from ToxStrategies, Inc., Naperville, IL.

(8) Data and Information Confidentiality Statement

None of the data and information in the GRAS notice is exempt from disclosure under the Freedom of Information Act, 5 U.S.C. 552.

(9) GRAS Notice Certification

To the best of our knowledge, the GRAS notice is a complete, representative, and balanced submission. Cargill is not aware of any information that would be inconsistent with a finding that the proposed use of soluble rice flour in food, that meets appropriate specifications and is used according to current Good Manufacturing Practice (cGMP), is GRAS. In addition, recent reviews of the scientific literature indicated no concerns for potential adverse health effects.

(10) Name/Position of Notifier



Donald F. Schmitt, M.P.H.
Senior Managing Scientist
ToxStrategies, Inc.
Agent for Cargill

03/23/2020
Date

(11) FSIS Statement

Soluble rice flour will not be used in products under the jurisdiction of the U.S. Department of Agriculture (USDA).

§ 170.230 Part 2, Identity, Method of Manufacture, Specifications, and Physical or Technical Effect

A. Identity

Soluble rice flour is produced from rice flour that has been enzymatically treated to ensure that the flour is more soluble. It is a white powder with a characteristic odor and has a solubility of >70% (in water at 5% solids) and a viscosity in water (10% solids) between 0.001 and 1.0 Pa.

B. Common or Chemical Names

Soluble rice flour.

C. Chemical Abstracts Service (CAS) Registry Number

Not applicable.

D. Trade Name

SimPure™.

E. Nutritional Composition

The nutritional/chemical composition of soluble rice flour is generally similar to that of native rice flour, with the main difference being that of the dextrose equivalent value of soluble rice flour.

Table 1. Proximate analysis of three non-consecutive lots of soluble rice flour compared to rice flour

Parameter	Rice Flour	Soluble Rice Flour (92260-0516-B1)	Soluble Rice Flour (SAV101019)	Soluble Rice Flour (SAV101719)
Carbohydrate (%)	81.50	85.90	87.10	88.80
Fat (%)	1.40	0.80	0.70	<0.50
Dietary Fiber (%)	2.60	1.80	2.60	1.30
Protein (%)	7.24	6.92	6.97	5.16
Ash (%)	0.55	1.24	1.78	1.88
Moisture (%)	9.34	5.14	3.42	4.23
Dextrose equivalent	0.00	11.4	12.25	12.81

Manufacturing Process

The following narrative and flow diagram describe the manufacturing process for soluble rice flour (see Figure 1).

The starting material in the production of soluble rice flour is food-grade rice flour. It is combined with water and safe and suitable food-grade enzymes (e.g., α -amylase and protease; consistent with Food Chemicals Codex (FCC) and JECFA specifications for food-grade enzymes) to create a slurry that is then pH adjusted with various acids/bases (see Table 2). The enzyme treatment results in the following: when the starch granules are treated with α -amylase, the amylase enzyme catalyzes the digestion of α -1,4 glycosidic bonds present in amylose and amylopectin. The resulting polymer fragments are of decreased molecular weight, and readily soluble in water. Protease would similarly work to catalyze the breakdown of protein into smaller molecular weight fragments with increased solubility. Sodium bisulfite may be added as a microbial control agent to the initial slurry. The final soluble rice flour product will be analyzed for sulfite residues to ensure a maximum residual SO_2 level of <10 ppm (i.e., the sulfite labeling limit). The slurry is then cooked to temperatures between 100 and 150°C to gelatinize and solubilize starch granules present in the rice flour. The liquefact may be cooked multiple times to attain sufficient gelatinization and solubilization of the starch granules.

During the saccharification process, additional α -amylase may be added to ensure that hydrolysis of the starch continues at the rate necessary to achieve the desired dextrose equivalent (DE) level, as the enzyme activity level may decrease during the cooking process.

Once the desired DE level has been achieved, an enzyme kill step is initiated by reducing the pH to 2.7–4.0 by the inclusion of acid (e.g., citric or hydrochloric acid) combined with a temperature of 80–95°C. Cessation of enzymatic activity takes approximately 15 minutes under these conditions. Following the completion of the kill step, the pH is raised to 4.5 ± 0.50 by addition of base (e.g., sodium hydroxide or sodium carbonate).

To attain desired functionality, an additional enzyme treatment step may be conducted prior to cooking, or immediately following the α -amylase kill step. The pH of the mixture is then adjusted by adding acids/bases, and the temperature of the mixture is controlled as above, to achieve optimal enzyme activity for hydrolysis. A kill step similar to that described above is then conducted.

To reduce water activity and the potential for microbial growth and/or to decrease the amount of moisture to be removed upon drying, the slurry undergoes an evaporation step (e.g., using falling-film or forced-circulation evaporators). If desired to improve functionality, an optional filtration step (employing safe and suitable filter material, diatomaceous earth) may be conducted prior to evaporation to further increase the solubility of the ingredient by filtering out insoluble components (e.g., proteins, etc.). The product is then dried (e.g., spray-dried or roll drying) to obtain a powder with a targeted moisture level not to exceed 10.0% and is then packaged. All Cargill facilities, including

the facility in which soluble rice flour will be produced, are in compliance with all applicable FDA and USDA regulations and are operating under a fully implemented Hazard Analysis and Critical Control Points (HACCP) Plan.

The regulatory status and approvals of reagents/processing aids used in the manufacture of soluble rice flour are listed in Table 2 below. All processing aids employed in the manufacturing process are safe and suitable for use in the production of food ingredients.

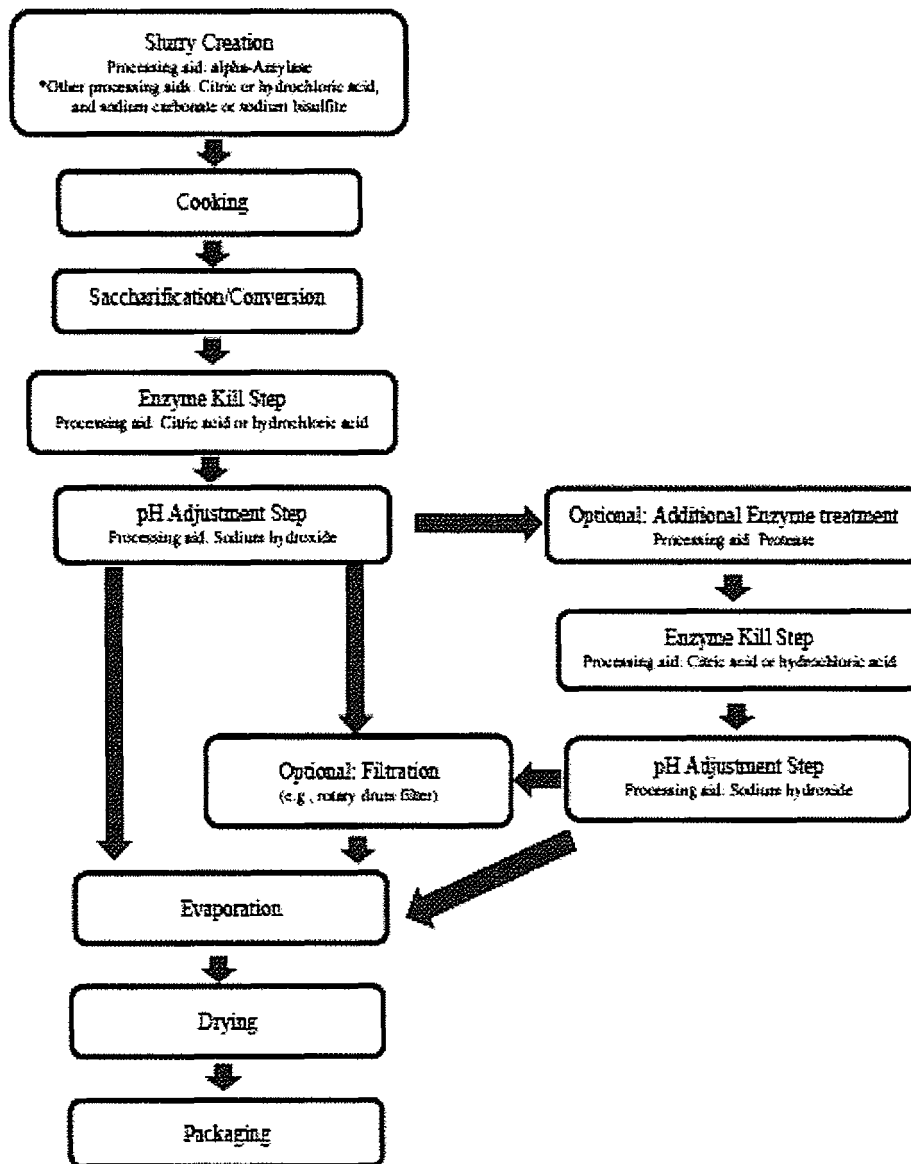


Figure 1. Manufacturing process for soluble rice flour

Table 2. Reagents/processing aids

Reagent/Processing Aid	CAS Number	CFR Citation
α -amylase from <i>Bacillus licheniformis</i>	77-92-9	21 CFR § 184.1033
Protease from <i>Bacillus licheniformis</i>	9014-01-1	21 CFR § 184.1027
Citric acid	77-92-2	21 CFR § 184.1033
Hydrochloric acid	7647-01-0	21 CFR § 182.1057
Sodium hydroxide	130-73-2	21 CFR § 184.1763
Sodium carbonate	497-19-8	21 CFR § 184.1742
Sodium bisulfite	7631-90-5	21 CFR § 182.3739
Diatomaceous earth	91053-39-3	21 CFR § 182.90

Product Specifications

The proposed food-grade specifications for Cargill's soluble rice flour product are presented in Table 3. A comparison of three non-consecutive lots of product to the specifications below can be found in Table 4. The specification for total arsenic in Table 3 is <0.5 ppm, and all analyzed batches of the soluble rice flour were found to be low (0.21 ppm). The intake of total and inorganic arsenic from the intended use of the soluble rice flour is negligible and would not be expected to contribute to the background dietary intake of arsenic.

Table 3. Proposed specifications for soluble rice flour

Parameter	Soluble Rice Flour Specification	Analytical Method
Moisture (%)	Max 10.0	Mettler Toledo Moisture Analyzer
Dextrose equivalent	5–18	Schoorl's analysis
pH	4–7	25% w/w solution
Arsenic (ppm)	<0.5	AOAC 2013.06
Cadmium (ppm)	<0.1	AOAC 2013.06
Lead (ppm)	<0.1	AOAC 2013.06
Mercury (ppm)	<0.1	AOAC 2013.06
Aerobic plate count (/g)	<10,000	AOAC 990.12
Salmonella (/100 g)	Absent	ISO 6579
Enterobacteriaceae (/g)	<100	OMA 2003.01 NF validation certificate 3M 01/6-09/37

Table 4. Analytical results for three non-consecutive lots of soluble rice flour

Parameter	Specifications	92260-0516-B1*	92260-0516-B2*	92260-0516-B3*
Moisture (%)	Max 10.0	4.5	4.7	4.2
Dextrose equivalence	5-18	11.3	9.01	9.7
pH	4-7	4.3	4.3	4.24
Arsenic (ppm)	<0.5	0.21	0.22	0.21
Cadmium (ppm)	<0.1	0.02	0.02	0.021
Lead (ppm)	<0.1	0.006	0.005	0.006
Mercury (ppm)	<0.1	0.003	0.004	0.004
Aerobic plate count (/g)	<10,000	100	10	10
<i>Salmonella</i> (/100 g)	Absent	Absent	Absent	Absent
Enterobacteriaceae (/g)	<100	<10	<10	<10

* Lots were produced on different days within a week, with complete stoppage of the manufacturing process between lots. After each lot was produced, the equipment was cleaned, and new starting materials and processing aids used.

The analytical results for the soluble rice flour ingredient summarized in the above table and included in the Certificates of Analysis (COAs) in Appendix A confirm that the finished product meets the analytical specifications. The results also demonstrate that Cargill's manufacturing process results in a consistently reproducible product and confirm the lack of significant levels of impurities and/or contaminants (e.g., heavy metals, microbiological contaminants)

Stability Data

The results of stability testing conducted using soluble rice flour at room temperature demonstrate its stability up to 5 months (see Table 5 below). Continued stability testing is ongoing. However, the stability of soluble flour is expected to be similar to that of their native flour counterparts. The shelf life of the soluble flour ingredient is expected to be 12 months after the production date when properly stored inside, under dry conditions (similar to standard rice flour). Further, soluble rice flour has low fat/oil content, which limits the possibility of product oxidation and rancidity. The ingredient also has low water activity, which should lower the risk of microbial growth and contamination.

Table 5. Soluble rice flour stability testing data

	Carbohydrate	Fat	Dietary Fiber	Protein	Ash	Moisture
Lot No. 92260-0516-B1 (produced May 2019; analyzed September 2019)	85.9	0.8	1.8	6.92	1.24	5.14
Lot No. 92260-0516-B1 (February 2020)	85.3	0.8	1.0	7.41	1.30	5.14

§ 170.235 Part 3, Dietary Exposure

Proposed Uses

The focus of this GRAS determination is for the intended use of soluble rice flour as a texturizing and bulking agent, binder, and carrier (i.e., spray drying/encapsulating aid) in select foods. Table 6 below summarizes the food categories and associated use levels. An intake assessment was conducted to estimate the mean and 90th percentile daily intakes of soluble rice flour based on its intended use in foods as shown in Appendix B.

Table 6. Proposed maximum food use levels

Proposed Food Use Category	Usage Level (% as consumed)
Bakery products (cookies and pastries)	5%; reduced-fat cookies and pastries 25%
Beverages, RTD (e.g., carbonated soft drinks, fruit-flavored drinks, fruit juices, sports beverages, nutrition beverages)	1%; sports and nutrition beverages 10%
Carrier in flavor blends (to be used in seasonings, soup/broth, gravy, batter/breading mixes—dry mixes and prepared)	80%
Reduced-sugar cereals (RTE) and cereal bars	20%
Candies, soft and hard (e.g., gummies, etc.)	10%
Confectionary (e.g., puddings, icings, coating for cereals, etc.)	50%
Dairy and imitation dairy products (e.g., flavored milk drinks, ice cream, yogurt, sour cream, whipped cream, spreads, non-dairy vegan alternatives)	10%
Dry mix seasonings and blends (e.g., taco seasoning, etc.); instant soup/broth mixes	25%
Infant food—12+ months; cereals, porridges, other bakery products	5% in bakery, 20% for cereals and porridges
Powdered beverage mixes (e.g., fruit-flavored, flavored milk drinks)	60%
Sauces, instant and prepared (e.g., taco sauce, gravy, etc.)	5%
Reduced-fat salad dressings, pourable and spoonable (regular and reduced-fat)	20%
Reduced-sugar snack-based fillings (e.g., fig newtons, strudels)	20%
Reduced-fat mayonnaise, reduced-sugar ketchup/mustard, and other reduced-fat/sugar condiments	5%

Dietary Survey Data

Dietary survey data were obtained from WWEIA, the dietary interview portion of the NHANES database. NHANES is carried out in two-year cycles (biennials) by the Centers for Disease Control and Prevention (CDC), to characterize the general health and nutritional status of children and adults across the US. The dietary intake survey portion of NHANES is a joint effort between CDC and the US Department of Agriculture (USDA). All NHANES biennials for which dietary intake data were available were included in the present analysis (CDC, 2003-2004, 2005-2006, 2007-2008, 2009-2010, 2011-2012, 2013-2014, and 2015-2016).

WWEIA consists of two 24-hour dietary recall interviews. The first day of the WWEIA dietary questionnaire was administered in person, in conjunction with the participants' interviews and examinations for the other NHANES lifestyle and laboratory assessments. The second day of the survey was collected via a phone interview at some point 3–10 days after the first survey day. Respondents who provided complete records for both days were designated “reliable” by WWEIA; only these respondents were considered in this analysis.

NHANES also collects demographic and anthropometric information for each respondent, including age, sex, and body weight. These data can be linked to the WWEIA dietary intake data using a unique (but anonymous) ID number assigned to each NHANES respondent. Some respondents may be missing some information. In order to calculate intake on a per-kg-body-weight basis, only the “reliable” WWEIA respondents who also provided body-weight information were considered in this analysis.

NHANES uses a survey structure designed to produce a representative sample of the US population. Each respondent is assigned a sample weight, which can be interpreted as the number of people in the US population who are represented by that respondent in that biennial. When data from multiple biennials are combined, the sample weights must be adjusted by dividing each sample weight by the number of biennials being combined (NHANES, 2018).

Data collected during the dietary interview include a list of foods consumed by the participant, each encoded by a numerical “food code,” and the amount of each food that was eaten at each meal, in grams.

Proportion of Ingredient in Foods

Food codes were included in each of the use categories if they contained any component in that use category. For example, food code 27510950, “Reuben sandwich (corned beef sandwich with sauerkraut and cheese), with spread”, was included in the use category “Dairy and imitation dairy products”, because the “spread” component of this food code was part of this use category. However, WWEIA does not separately record the amounts consumed of individual food components; it only records the amount consumed of the whole food “as eaten.” In the example of the Reuben sandwich, WWEIA records only that a respondent consumed, for example, 200 grams of this food code. The amounts of the

separate components—the beef, bread, sauerkraut, cheese, and spread—are not broken out. Therefore, when soluble rice flour is to be applied only to one component of a food, it is necessary to estimate the relevant proportion of that component in the food. In the example of the Reuben sandwich, the 10% use level in the “Dairy and imitation dairy products” category should not be applied to the full 200 grams consumed; it was applied only to the portion of that 200 grams that is composed of sandwich spread. If the sandwich were 16% spread by mass, then the amount of soluble rice flour consumed would be 200 g sandwich * 16% spread * 10% use level = 3.2 g soluble rice flour. The proportion of the relevant component in each food code was obtained using the FNDDS Databases from 2001-2016.

Methodology

To estimate the intake of soluble rice flour from its proposed uses, the following steps were performed:

- Step 1: Identified WWEIA foods to which soluble rice flour may be applied.
- Step 2: Searched FNDDS database recipes for food codes in the categories listed.
- Step 3: Using FNDDS recipes, calculated the proportion of relevant components in food codes in the categories listed.
- Step 4: Calculated individual intake of soluble rice flour for individual NHANES respondents, using dietary intake data and the proportions calculated.
- Step 5: Calculated population statistics estimating the intake of soluble rice flour.

Results

Tables 7 and 8 below, respectively, present the EDI for the uses of soluble rice flour in grams per day and grams per kilogram body weight per day for the following age groups in the US populations: 2 years and older, 2-to-5 years, 6-to-18 years, and 19 years and older. The “number of users” refers to the number of survey participants in a given age group who consumed a food item in a given food category. The “percent users” is the percentage of users of the food category out of the total number of reliable survey participants (users and non-users) belonging to a given age group. Intake is provided for each of the food categories and subcategories listed in Table 6. “Total” values include users who consumed foods in any of the proposed food categories. Note that the “Total” values are not simple sums of the values listed above them.

Table 7. Estimated daily intake for soluble rice flour (g/day)

Food Category	Number of Users	Percent Users	EDI per User (g/day)		EDI per Capita (g/day)	
			Mean	90 th Percentile	Mean	90 th Percentile
US Population, Ages 2+						
Total*	49619	99%	74.6	176	73.9	175
US Population, Ages 2-5						
Total*	4603	99%	53.2	120	53.0	120
US Population, Ages 6-18						
Total*	14335	99%	67.1	151	66.5	150
US Population, Ages 19+						
Total*	30681	99%	78.0	187	77.2	186

* Total values reflect intake from foods in any of the proposed food categories

Table 8. Estimated daily intake for soluble rice flour (g/kg bw/day)

Food Category	Number of Users	Percent Users	EDI per User (g/kg/day)		EDI per Capita (g/kg/day)	
			Mean	90 th Percentile	Mean	90 th Percentile
US Population, Ages 2+						
Total*	49619	99%	1.21	2.90	1.20	2.88
US Population, Ages 2-5						
Total*	4603	99%	3.13	7.17	3.11	7.15
US Population, Ages 6-18						
Total*	14335	99%	1.56	3.59	1.54	3.58
US Population, Ages 19+						
Total*	30681	99%	0.99	2.43	0.98	2.41

* Total values reflect intake from foods in any of the proposed food categories.

The population group *per user* 90th percentile intakes ranged from 120 to 187 g/day, with the highest overall *per user* 90th percentile intake being in the 19+ age group and the lowest in the 2- to 5-year age group. The population group *per user* 90th percentile intakes normalized for body weight ranged from 2.43 to 7.17 g/kg bw/day, with the highest overall *per user* 90th percentile intake being in the 2- to 5-year age group and the lowest in the 19+ age group.

The estimate of the 90th percentile *per user* consumption for the general US population (2+ years of age) of approximately 176 g/day, or 2.90 g/kg bw/day are extremely conservative. In reality, the actual consumption would be much less, because the intake assessment assumes that all the listed foods contain soluble rice flour and individuals consume all the listed foods daily. Furthermore, a 2-day survey overestimates the actual consumption. As reviewed by Lambe and colleagues (2000), shorter surveys are associated with misclassification of individuals, inaccurate correlation coefficients, reduced power, and overestimation of the percentages of high and low intakes. The effects of survey duration are thought to be due to the within-person and day-to-day variation. In addition, the percentage of respondents who consume a food increases as survey duration increases, because the longer duration begins to incorporate days with no consumption, thus decreasing the mean intakes among consumers over time.

§ 170.240 Part 4, Self-Limiting Levels of Use

The soluble rice flour ingredient is incorporated into specific food products at specified levels and is not intended to be used at levels above those specified in Part 3 above. The use of soluble rice flour in foods is considered to be self-limiting, for technological reasons such as product texture and/or flavor profile, either of which could affect consumer acceptance.

§ 170.245 Part 5, Experience Based on Common Use in Food

The statutory basis for our conclusion of the GRAS status of soluble rice flour for the proposed food uses in the notice is based on scientific procedures and not common use in food.

§ 170.250 Part 6, GRAS Narrative

History of Use and Regulatory Approvals

Rice (*Oryza sativa*) and its derivatives, such as rice flour, have a long history of use in human food. With its cultivation first documented 2,000–4,500 years ago, rice has become a global dietary staple in the last 500 years, (Barker and Janowski, 2011; Burlando and Cornara, 2014; Zhai et al., 1996). The average per capita rice consumption has been estimated at 56.9 kg/year globally and up to 68.5 kg/year in developing countries (Kahlon, 2009). The mean and 90th percentile rice consumption in the U.S. for all individuals was reported to be 152 and 312 grams/person per eating occasion, respectively (Smiciklas-Wright et al., 2002). The estimated intakes per eating occasion could be as high as 476 grams/person, or approximately three cups, when using data from the 95th percentile users in this study. In a separate survey, 84% of adults were estimated to be rice consumers, with most consuming between 0.25 and 0.5 oz (equivalent) per day (Nicklas et al., 2014). Batres-Marques and Jensen (2005) found that >18% of adults reported eating at least one-half serving of rice (including white rice, brown rice, and rice flour) per day.

Extensive published information and data have been submitted to and reviewed by FDA as part of various GRAS notifications (GRNs) for rice-related products. Together with the well-established safety of rice itself, and a review of animal and human studies demonstrating the health benefits of these rice-derived ingredients, the respective GRNs concluded the rice products to be safe for their intended uses in human food. Table 9 provides a summary list of such GRAS notifications, all of which received “no objection” letters for their respective use(s) in food.

Table 9. GRAS Notifications relevant to a safety assessment of soluble rice flour

GRN No.	GRAS Substance	Year of Closure
720	Rice bran wax	2018
609	Rice protein concentrate	2016
478	Rice hull fiber	2015
373	Rice bran fiber	2011

Sources: FDA 2011, 2015, 2016, 2018

Safety

Safety Assessment of Soluble Rice Flour

Rice flour is a common substitute for wheat flour. With solubility measurements of greater than 80%, soluble rice flours are more highly soluble than their native counterparts.

However, as demonstrated in Table 10, processing of Cargill's native rice flour source material results in a soluble rice flour product that is very similar in nutritional composition. The small increase in carbohydrate content as compared to rice flour (corresponding to an increased dextrose equivalent) is balanced by negligible decreases in fat, fiber, proteins, and moisture. Such minor differences demonstrate that the compositional profile of rice flour is generally maintained after processing and supports the conclusion that there is no safety concern in regard to the proposed soluble rice flour product and its use in food.

In addition, the food-grade enzymes used for soluble rice flour are commonly used in food ingredient manufacturing processes (Table 2) and are not expected to introduce any new (or potential) constituents of concern relative to what is present in rice flour currently consumed widely as a foodstuff. The α -amylase enzyme catalyzes the digestion of α -1,4 glycosidic bonds present in amylose and amylopectin. The resulting polymer fragments are of decreased molecular weight, and readily soluble in water. Protease would similarly work to catalyze the breakdown of protein into smaller molecular weight fragments with increased solubility. For this reason, the available data described herein on rice flour are used to directly support the safety of the intended use of soluble rice flour in human food. A similar approach was applied to water-soluble tomato concentrate in GRN 210 (FDA, 2007), in which the safety of the product was based on the history of tomato use, comparative analysis of the water-soluble concentrate to other commercially available tomato products, nutritional composition, and preclinical data on conventional and genetically modified tomatoes.

Many different rice flours have been evaluated for safety as part of different types of long-term studies. They have been used as a control in animal models evaluating the repeat-dose toxicity of different transgenic rice flours and in human clinical trials. In addition, the potential therapeutic properties of rice flours have been investigated in animal and human models. Selected examples of these studies are listed in Table 10, which demonstrate that the composition of the Cargill soluble rice flour is similar to that of both its native flour source material, and various rice flours that have been shown to be safe in animal and human studies.

Table 10. Composition of soluble rice flour compared to its native rice flour and rice flours tested in toxicity studies

	Carbohydrate (%)	Fat (%)	Dietary Fiber (%)	Protein (%)	Ash (%)	Moisture (%)	Reference
Cargill rice flours							
Cargill rice flour	81.5	1.4	2.6	7.24	0.55	9.34	Cargill, 2020 internal report
Cargill soluble rice flour	88.8	<0.5	1.3	5.16	1.88	4.23	Cargill, 2020 internal report
Rice flours tested in toxicology studies (mutagenicity, genotoxicity, subchronic oral toxicity, and/or three-generation reproductive toxicity)							
Rice flour (<i>indica</i> rice cultivar)	NR	4.0	2.1	19.6	5.2	10	Zhou et al. (2011, 2014)
Rice flour (Chinese wild rice, <i>Z. latifolia</i>)	73.6	1.2	1.9	12.6	1.4	9.3	Zhai et al. (1996)

NR, not reported

Studies on Rice Flour

As discussed above, the general composition, and thus the safety profile, of soluble rice flour is not expected to differ from that of the rice flour source material. Therefore, studies conducted on rice flour were identified and deemed suitable for inclusion in the safety assessment of soluble rice flour and considered by the GRAS Panel in its evaluation.

A comprehensive literature search was performed using the PubMed and Embase databases; in addition, extensive searches of regulatory agency databases such as FDA, European Food Safety Authority (EFSA), and the Joint FAO/WHO Expert Committee on Food Additives (JECFA) were conducted. Given that rice and its derivatives are common components of the human diet, few traditional toxicology studies evaluating rice flour itself were identified in the published literature. On the contrary, most studies identified in the search used conventional rice flour as a control when evaluating the safety of transgenic rice flours in the diet. As described in the summaries below, these studies concluded that the respective control rice flour test materials were not associated with toxicity or other adverse effects at any dose tested.

Animal Studies

Subacute Toxicity

Zhai et al. (1996) reported the outcome of a subacute toxicity study of Chinese wild rice flour (*Z. latifolia*) in white mice (Kunming). Fasted mice (five/sex/group) were administered 0, 2.15, 4.64, 10, or 21.5 g/kg bw/day of the wild rice flour mixed into a paste with water, for 14 days. The authors reported that no mortality or “abnormal reactions” were observed at any of the doses tested.

Repeated Exposure Toxicity

The following studies tested conventional rice flour as a control when evaluating the safety of transgenic rice flours in subchronic oral toxicity studies. Each of these studies concluded that the transgenic rice flour, and its corresponding conventional rice flour control, have no adverse or toxicological effect at the highest concentration consumed.

In a 90-day toxicity study, Zhou et al. (2011) compared the findings between a conventional rice flour and a transgenic rice flour derivative (both from *indica* rice cultivar). Sprague–Dawley rats (10/sex/group) were fed diets containing 70% of either rice flour (Teqing or TQ), transgenic rice flour (TRS; with high amylose level), or control (standard) diet. Body weights and food consumption were measured weekly, and all animals were observed for signs of mortality or moribundity, abnormal behavior, and appearance at least once daily throughout the study. Blood samples were collected mid-study and at termination for hematological analysis (white blood cell count (WBC), red blood cell count (RBC), platelet count, hemoglobin (HGB), hematocrit (HCT), mean corpuscular volume, mean corpuscular hemoglobin, mean corpuscular hemoglobin concentration, red cell distribution width, mean platelet volume, and platelet distribution width) and serum chemistry (alanine aminotransferase, aspartate aminotransferase, alkaline phosphatase [ALP], total protein, albumin, globulin, urea nitrogen, creatinine, glucose, triglycerides, cholesterol, high-density lipoproteins, low-density lipoproteins, and inorganic phosphorus levels).

Urine samples and additional blood samples (for sex hormone [testosterone in male rats, estradiol and progesterin in female rats, follicle-stimulating hormone and luteinizing hormone in both genders]) analysis were collected at termination. Histopathology was performed on brain, heart, liver, spleen, lung, kidneys, stomach, intestine, thymus and pancreas. No mortality occurred for the duration of the study, and no differences in body weights or food consumption were observed between treatment groups. ALP levels were significantly lower in mid-study in females only of the conventional rice flour group compared to control diet; however, no significant differences were observed at study termination and no other differences were seen in liver parameters (ALT, AST, albumin, and globulin). The authors considered this finding to be unrelated to treatment. Lower mean serum cholesterol levels in males of both rice flour groups, as compared to controls, were determined not to be adverse; in addition, no other differences were noted in other related serum parameters (triglycerides, HDLC, LDLC). No other significant differences were

observed in the study, including in any hematological or urinalysis parameter. No macroscopic or histological effects were observed, and no differences in absolute or relative organ weights were found. The authors concluded that a dietary no-observed-adverse-effect level (NOAEL) of 70% was observed in the study (equivalent to approximately 77,160 mg/kg bw/day and 65,500 mg/kg bw/day for a 250-g male and 200-g female rat, respectively).

Yang et al. (2017) compared the safety of a high-free-lysine transgenic rice line HFL1 (T) to wild-type Wuxiangjing 9 (N, *Oryza sativa L. spp. Japonica*). Six diets were formulated for the study: control (standard), 17.5% rice flour (T1 and N1), 35% rice flour (T2 and N2), and 70% (T3 and N3). Sprague-Dawley rats (10/sex/group) were administered one of the seven diets daily in a 90-day toxicity study in accordance with Chinese guideline NY/T 1102e2006 on food safety testing of genetically modified organisms and the resulting product, Chinese Toxicology Assessment Procedures and Methods for Food Safety (Chinese Standard GB15193.13). Rats were observed at least once daily, and body weight and food consumption were recorded weekly. Blood was collected at 45 and 90 days for analysis of hematology and clinical chemistry parameters. Gross pathology and histopathology were performed at terminal sacrifice on heart, liver, spleen, lungs, kidneys, stomach, intestine, adrenal glands, thymus, brain, ovaries and testes. No mortality or adverse findings were reported during the study. While some statistically significant differences were observed between the rice flour groups and control animals (increased body weight gain, food consumption, and/or food efficiency), no significant difference between rats fed the transgenic rice flour and the corresponding non-transgenic rice flour were found.

Some significant differences in hematological parameters were observed at study day 45—WBC, RBC, HGB, and HCT values were significantly lower in the males of the T1 group when compare to those of the N1 and control groups. However, these differences did not occur in the high-dose groups. In addition, most parameters remained within the laboratory reference ranges. The MCHC values of the male T2 and T3 groups and corresponding N2 and N3 groups were significantly lower than that of the control group, and the similar MCHC values were observed among T groups. Therefore, there was no correlation with rice flour dosage and all these values were within normal range in historical control animals. For the females, WBC, HGB and HCT levels of the T1 group and RBC of the T3 group were significantly different from those in the N1 or N3 groups, but significant differences from the control group were not observed. Other selected statistical differences in hematology parameters were also observed in lower rice flour dose groups, but not in the high dose groups. At 90 days, some inconsistent findings were also noted in hematological parameters, but none were determined to be adverse or treatment-related.

The authors noted that some differences in serum chemistry parameters were observed at day 45 between the T and N diets, but all differences had disappeared by day 90. Some significant differences in relative organ weight were observed (e.g., heart of the T1 group, the lung and heart of the T2 group, and kidney and thymus of the T3 group); however, the authors concluded that no treatment-related adverse effects were observed in organ weights. Similarly, while some histological findings were noted (e.g., hemosiderin of red

pulp was increased in female groups compared to males, there was no difference between rice flour groups or controls). The authors concluded that “the severity of histopathological lesions was not associated with transgenic rice consumption.” They also noted, “The results indicated no dose-related consequences, suggesting that a dose of 70% of HFL1 transgenic rice has no subchronic toxicity in both male and female rats.” Adverse effects were not noted in the non-transgenic rice flour groups as well. The NOAEL of 70% rice flour was equivalent to approximately 64,000 mg/kg bw/day and 61,000 mg/kg bw/day for a 250-g male and 200-g female rat, respectively).

The safety of another transgenic rice flour was evaluated in a 90-day oral toxicity study in Sprague-Dawley rats (Tang et al., 2012). Diets containing 60% conventional rice flour (Minghui 63), 60% transgenic rice flour (T1C-1; expressing Cry1C protein from the cry1C gene), or standard feed were administered to rats (10/sex/group) daily. Food consumption and body weights were measured twice weekly, and cage-side observations were made twice daily. Blood was collected at terminal sacrifice for analysis of hematology and clinical chemistry parameters. Fecal samples were also collected on days 30 and 60 and at study termination (5/sex/group). Histopathology was performed on heart, liver, kidney, skeletal muscle, spleen, stomach, small intestine, thyroid gland, thymus, ovary, and testis. No differences in weight gain, food consumption (data not shown), hematological parameters, fecal bacterial microflora, or absolute or relative organ weights were observed. No gross pathological or histopathological changes were observed between groups. The only statistically significant differences observed were on a few clinical chemistry parameters (increased total protein, creatinine, and cholesterol) compared to rats in the conventional rice flour and/or control diets; however, all levels remained within the respective reference ranges. The study authors concluded that, “the GM Bt rice T1C-1 exhibited no toxicological effects on SD rats when fed a 60% rice diet” compared to parental rice flour and control diets. No adverse effects were noted in the conventional rice flour group as well. A NOAEL could not be estimated, because food consumption data were not included by the authors.

Wu et al. (2017) tested the safety of dietary intake of a genetically modified rice flour in Sprague-Dawley rats. In this study, rats (3/sex/group) were fed one of three diets for 90 days: 45% conventional rice (flour Zhonghua 11), transgenic EH rice flour (Zhonghua 11, rich in β -carotene), or standard diet. Food consumption and body weights were recorded twice weekly, and cage-side observations were made twice daily. Blood was collected at terminal sacrifice for hematology and clinical chemistry analyses.¹ Histopathology was performed on heart, liver, kidney, lung, skeletal muscle, spleen, stomach, small intestine, thyroid, thymus, and ovaries/testes. No mortality occurred, and no differences in food consumption (data not shown) or body-weight gain were observed throughout the study. Only hematocrit was significantly higher in the rats² consuming transgenic rice flour, but all values remained within the reference range. No other significant differences in hematology and clinical chemistry parameters were found. No differences in absolute or relative organ weights were observed between groups, and no gross or histopathological

¹ According to Chinese thirty- and ninety-day feeding guidance (GB 15193.13).

² Unclear whether in both sexes or only one, relative to either the control or conventional rice flour.

findings were noted in any group. The study authors concluded that “no adverse effects due to transgenic rice EH were found in rats fed 45% transgenic rice EH rich in β -carotene.” A NOAEL could not be estimated, because food consumption data were not included by authors. Overall, no treatment-related differences were attributed to conventional rice flour when consumed in at dietary levels of 45% when compared to controls fed a normal diet.

Reproductive and Developmental Toxicity

Using the same test materials (transgenic rice flour or standard rice flour; 70%) as in their 90-day study (Zhou et al., 2011), Zhou et al. (2014) conducted a three-generation reproductive toxicity study in Sprague-Dawley rats. Female rats (20/group) were mated overnight with males (10/group). Following gestation and delivery, postnatal day (PND) 4 litters were randomly adjusted to four pups/sex/group. At weaning on PND 21, female (20/group) and male (10/group) weanlings were randomly selected as the F1 generation. The F2 generation was acquired using the same procedures; the offspring of different dams in a group from each generation were mated among themselves at Week 9 after weaning. Dams and their offspring were fed corresponding diets during the periods of mating, gestation, lactation, offspring care, and pubescence. At weaning, F3 generation rats were chosen (10/sex/group) and provided with the corresponding diets. F3 rats were observed for 13 weeks, and then the left testis of male rats was excised for cell cycle analysis, and the left ovary of female rats was excised for antioxidant index analysis. Body weights and food consumption were measured weekly, and all animals were observed for signs of mortality or moribundity, abnormal behavior, and appearance daily throughout the study. Blood samples were collected for hematological, serum chemistry, and sex hormone analyses, and urine samples also were collected. Urine samples, as well as additional blood samples for sex hormone (testosterone in male rats, estradiol and progesterin in female rats, follicle-stimulating hormone and luteinizing hormone in both genders) analysis were collected at termination. Histopathology was performed, and the brain, heart, liver, spleen, lung, kidneys, thymus, uterus, ovaries or testes, and epididymitis were selected for weighing.

Based on the results of this study, no adverse effects on growth, food consumption, parent reproductive parameters, offspring development, clinical pathological indices, or reproductive index were observed between rats fed the standard diet and those fed conventional or non-transgenic rice flour. Only a few isolated, statistically significant differences in some hematological or serum parameters were observed between the rice flour groups and the standard diet and were considered by the study authors to not be of biological significance due to values being within normal ranges and/or a lack of histopathological findings. No difference in reproductive parameters such as sperm count, sperm morphology, and male hormone (testosterone) levels were observed among the male animals in all three groups. In addition, no histopathological abnormalities were found in the epididymis and testis. While some differences in testis cell cycle and relative weight of the epididymis were noted in rats fed either rice flours compared to controls, there was no significant difference between conventional and transgenic rice flours. In addition, no difference in other reproductive toxicological parameters such as sperm count, sperm morphology and male hormone (testosterone) level of male rats among the three groups

was observed and no histopathological abnormality was found in the epididymis and testis. Therefore, the differences were not considered biologically significant or evidence of adverse effects on the reproductive system. The authors concluded that “no adverse reproductive and/or developmental effect was observed” in this study.

Genotoxicity/Mutagenicity

Zhai et al. (1996) investigated the potential genotoxicity and mutagenicity of Chinese wild rice flour (*Z. latifolia*) in white mice (Kunming). Ames tests were conducted in *S. typhimurium* at concentrations from 10 to 10,000 µg/mL, with and without metabolic activation. Positive control substances were daunorubicin, sodium azide, mitomycin-c, and 2-aminofluorene.

In a bone marrow micronucleus study, mice (five/sex/group) were orally administered distilled water (negative control), 0.04 g/kg bw/day cyclophosphamide (positive control), or wild rice paste (2.5, 5, or 10 g/kg bw/day) for 4 days. Sperm abnormality was tested in 25 male mice using the same dosing groups³ for five days, and mice were observed until study day 35.

No evidence of genotoxicity or mutagenicity was observed in either study, up to the highest dose tested.

Studies in Humans

The following studies used rice flour as a control in human clinical trial studies. Each of these studies reported a lack of adverse and/or toxicological effects associated with rice flour, up to 10 g/day.

The utility of a gluten-free diet in schizophrenic patients (negative for celiac disease) was investigated by Kelly et al. (2019). In this pilot feasibility study for a randomized controlled trial, subjects received 10 g/day of either a gluten-containing diet (n=9) or rice flour control diet (n=7) daily for five weeks. No differences were observed between groups in vitals that were recorded weekly, or in clinical chemistry parameters that were tested at baseline and study termination (including liver enzymes, lipids, and complete blood counts). The rice flour group demonstrated “robust” improvement in gastrointestinal symptoms, including abdominal pain, diarrhea, constipation, and indigestion; no other differences in frequency of adverse events were reported between groups (headache (n=5), sedation (n=3), and dizziness/salivation (n=2)).

Feldman et al. (2009) conducted a 12-week, randomized, double-blind, placebo-controlled, parallel-group trial during the cold and flu season. Forty healthy adult subjects received Wellmune WGP® (500 mg/day) or a rice flour placebo daily. In addition to recording vital signs and cold/flu symptoms, safety data evaluated included complete blood count, kidney values, and liver function testing, as well as physical testing. Of 43 adverse events reported

³ Cy dophosphamide w asadministered via abdominal injection at 0.03 g/kg bw/day.

by 20 subjects, all were of mild or moderate severity, and no differences in frequency of adverse events were found between treatments. The authors concluded there to have been “no safety concerns in the study.”

Rice flour was used as a placebo in a randomized, placebo-controlled trial to evaluate the utility of dietary content of soluble fiber (psyllium) or insoluble fiber (bran) in patients with irritable bowel syndrome (Bikerk et al., 2009). Patients (n=275) were randomly assigned to receive 10 g of one treatment (psyllium, bran, or rice flour) for 12 weeks. Sixty-one out of 93 patients (66%) in the rice flour placebo group reported at least one adverse event of moderate severity during the study. an occurrence rate lower than those of the treatment groups. Diarrhea and constipation were the most commonly reported adverse events. No serious adverse events were reported during the study.

Solah et al. (2017) conducted a three-arm, blinded, parallel, randomized controlled trial to determine the effectiveness of fiber supplementation with PolyGlycopleX[®] (PGX[®]), on body weight and composition, frequency of eating, and dietary intake. Subjects (118 overweight adults) received 5 g daily of 4.5-g PGX softgels, 5-g PGX granules, or 5-g rice flour (control) for 12 weeks. Reported adverse effects were mild and consistent with commonly reported reactions to increased fiber. PGX consumption resulted in 30.9 % of participants reporting diarrhea, bloating and flatulence, whereas for rice flour consumption 7.8% reported constipation. In a similar study, Pal et al. (2017) reported the effect of PGX in overweight and obese individuals. In this randomized, double-blind trial, subjects received 5 g of either rice flour (control), PGX, or psyllium, daily for 12 weeks. Minor adverse events were reported only in the PGX group and not the rice flour control group. The reported adverse events were gastrointestinal in nature (i.e., flatulence diarrhea). In both studies, no significant adverse events were noted as a result of rice flour consumption.

Allergy

Rice is not listed as one of eight major allergen groups by the FDA under the Food Allergen Labeling and Consumer Protection Act of 2004 (Public Law 108-282, Title II). The Cosmetic Ingredient Review (CIR) Panel (Andersen, 2006) has conducted a comprehensive review of allergenic and sensitization potential of rice (*Oryza sativa*) and its derivatives. Based on an extensive review of available human and animal studies, the panel concluded that rice, in general, lacked potential for allergy outside of isolated instances of hypersensitivity to rice itself.

The CIR Panel noted reports of isolated cases of allergy to rice or its derivatives, including contact urticaria (raw rice), Quincke’s edema (rice cereal), erythema of the hands, edema of the eyelids, and cough (raw rice); similar reports are also reviewed in Trcka et al. (2012). While the CIR assessment addressed cosmetic uses of rice derivatives, some of the data reviewed by the CIR Panel are relevant to oral exposure, as is a GRAS assessment for use in human food, and these, therefore, are considered herein.

Rice allergy is rare and is found predominantly in Asian and other ethnic populations for which rice is a major component of the diet (Trcka et al., 2012). In addition to those

reviewed by Andersen (2006) and Trcka et al. (2012), other selected case reports following exposure to rice flour are listed below to provide context:

- Two cases of rice allergy clinically manifested as urticaria, rhinitis, and anaphylaxis in workers handling rice and rice flour (Pérez-Bustamante et al., 2012).
- Single case report of occupational rhinitis due to rice flour in a pizzeria worker (Antolin-Amerigo et al., 2012).
- Single case report of anaphylaxis following ingestion of rice (Trcka et al., 2012).
- Single case report of work-related rhinitis and conjunctivitis symptoms due to occupational exposure to rice powder in the grain industry (Kim et al., 2010).

Although rice flour contains a small amount of protein, the potential to cause allergy is would be expected to be extremely low at the levels of intended use. In addition, any potential concern for an allergic reaction in already sensitive individuals would be addressed sufficiently, because any food product ingredient list would state the presence of a rice-derived ingredient, and individuals who wish to avoid rice consumption for any reason would be able to identify it on the packaging. However, rare occurrence of a rice allergy does not preclude a finding that the soluble rice flour is safe and GRAS.

Basis for the GRAS Determination

Introduction

The regulatory framework for determining whether a substance can be considered GRAS in accordance with Section 201(s) (21 U.S.C. § 321(s)) of the Federal Food, Drug, and Cosmetic Act (FFDCA) (21 U.S.C. § 301 et. Seq.) (“the Act”), is set forth at 21 CFR 170.30, which states:

General recognition of safety may be based only on the view of experts qualified by scientific training and experience to evaluate the safety of substances directly or indirectly added to food. The basis of such views may be either (1) scientific procedures or (2) in the case of a substance used in food prior to January 1, 1958, through experience based on common use in food. General recognition of safety requires common knowledge about the substance throughout the scientific community knowledgeable about the safety of substances directly or indirectly added to food.

General recognition of safety based upon scientific procedures shall require the same quantity and quality of scientific evidence as is required to obtain approval of a food additive regulation for the ingredient. General recognition of safety through scientific procedures shall ordinarily be based upon published studies, which may be corroborated by unpublished studies and other data and information.

These criteria are applied in the analysis below to determine whether the use of the soluble rice flour ingredient in food for human consumption is GRAS based on scientific procedures. All data relied upon in this GRAS determination are publicly available and generally known, and therefore meet the “general recognition” standard under the FFDCA.

Safety Determination

The soluble rice flour ingredient that is the subject of the current GRAS determination is proposed for use as a texturizing and bulking agent, binder, and carrier (i.e., spray drying/encapsulating aid), and it has film-forming properties that contribute viscosity and body to foods. Extensive published information and data have been submitted to and reviewed by FDA as part of various GRNs for rice-related products. Together with the well-established safety of rice itself, and a review of animal and human studies demonstrating the health benefits of these rice-derived ingredients, the respective GRNs concluded that the rice products are safe for their intended uses in human food.

Rice (*Oryza sativa*) and its derivatives such as rice flour have a long history of use in human food. With its cultivation first documented 2,000–4,500 years ago, rice has become a global dietary staple in the last 500 years (Barker and Janowski, 2011; Burlando and Cornara, 2014; Zhai et al., 1996). The average per capita rice consumption has been estimated at 56.9 kg/year globally and up to 68.5 kg/year in developing countries (Kahlon, 2009). The mean and 90th percentile rice consumption in the U.S. for all individuals was reported to be 152 and 312 grams/person per eating occasion, respectively (Smiciklas-Wright et al.,

2002). The estimated intakes per eating occasion could be as high as 476 grams/person, or approximately three cups, when using data from the 95th percentile users in this study. In a separate survey, 84% of adults were estimated to be rice consumers, with most consuming between 0.25 and 0.5 oz (equivalent) per day (Nicklas et al., 2014). The starting material for the soluble rice flour is food-grade rice flour, an ingredient that is currently used in many food applications.

Rice flour is a common substitute for wheat flour. With solubility measurements of greater than 80%, soluble rice flours are more highly soluble than their native counterparts. Processing of Cargill's native rice flour source material results in a soluble rice flour product that is very similar in nutritional composition. The small increase in carbohydrate content (corresponding to an increased dextrose equivalent) is balanced by negligible decreases in fat, fiber, proteins, and moisture. Such minor differences demonstrate that the compositional profile of rice flour is generally maintained after processing and supports a conclusion that there is no safety concern in regard to the proposed soluble rice flour product and its use in food.

The food-grade enzymes used in the production of soluble rice flour are commonly used in food ingredient manufacturing processes and are not expected to introduce any new (or potential) constituents of concern relative to what is present in rice flour currently consumed widely as a foodstuff. The enzymes catalyze the digestion of α -1,4 glycosidic bonds present in amylose and amylopectin. The resulting polymer fragments are of decreased molecular weight, and readily soluble in water. These smaller polymers retain the essential structure of the complex carbohydrates found in unmodified rice flour. For this reason, the available data on rice flour were used to directly support the safety of the intended use of soluble rice flour in human food. A similar approach was applied to water-soluble tomato concentrate in GRN 210 (FDA, 2007), in which the safety of the product was based on the history of use of the tomato as food, comparative analysis of the water-soluble concentrate to other commercially available tomato products, nutritional composition, and preclinical data on conventional and genetically modified tomatoes.

The general composition, and thus the safety profile, of soluble rice flour is not expected to differ from that of rice and rice flour currently consumed in conventional foods. Given that rice and its derivatives are common components of the human diet, few traditional toxicology studies evaluating rice flour itself were identified in the published literature. On the contrary, most studies identified in literature searches used conventional rice flour as a control when evaluating the safety of transgenic rice flours in the diet. Therefore, studies conducted with rice flour as the test or control group were identified and deemed suitable for inclusion in the safety assessment of soluble rice flour. Many different rice flours have been evaluated for safety as part of different types of long-term studies. In addition, the potential therapeutic properties of rice flours have been investigated in animal and human models. Preclinical evaluations covered toxicological endpoints relevant to human oral consumption of rice flours and included acute- and repeated-dose oral toxicity, reproductive and developmental toxicity, and genotoxicity/mutagenicity. In total, these studies concluded that the respective control rice flour test materials were not associated with toxicity or other adverse effects. Finally, rice and its derivatives have not been shown

to be allergenic outside of isolated instances of hypersensitivity to rice itself. However, any potential concern for an allergic reaction in already sensitive individuals would be addressed, because the ingredient lists of specified food products would state the presence of a rice-derived ingredient, and individuals who wish to avoid rice consumption would be able to identify its presence.

In summary, the safe use of Cargill's soluble rice flour in foods for human consumption is supported by the long history of use of rice and rice flour and available safety-related data specific to rice flour. Furthermore, the nutrient and chemical profile of soluble rice flour is consistent with rice flour products that are readily available in the marketplace.

General Recognition of the Safety of a Soluble Rice Flour

The intended use of the soluble rice flour ingredient has been determined to be safe through scientific procedures, as set forth in 21 CFR § 170.3(b), thus satisfying the so-called "technical" element of the GRAS determination, and this determination is based on the following:

- The Cargill soluble rice flour ingredient that is the subject of the current GRAS determination is enzymatically derived from standard food-grade rice flour, a common human food ingredient.
- The soluble rice flour product is a white powder with a characteristic odor and has a solubility of >80% (in water at 5% solids). The soluble rice product is manufactured in a manner consistent with current Good Manufacturing Practices (cGMP) for food (21 CFR Part 110). The raw materials and processing aids used in the manufacturing process are food grade and/or approved for use in food.
- The intake of total and inorganic arsenic from the intended use of soluble rice flour is negligible and would not be expected to contribute to the background dietary intake of arsenic. In addition, inorganic arsenic is water soluble, and thus, the manufacturing process of soluble rice flour is expected to remove most of the inorganic arsenic.
- Rice and its derivatives such as rice flour have a long history as a source of human food and have served as a dietary staple for more than half the global population. Safety-related information on rice flour and its constituents, the same as those present in the soluble rice flour product, is available in the peer-reviewed literature.
- The soluble rice flour ingredient is proposed for use as a texturizing and bulking agent, binder, carrier (spray drying/encapsulating aid), and it has film-forming properties and contributes viscosity and body.
- The population group *per user* 90th percentile intakes ranged from 119.96 to 187.13 g/day, with the highest overall *per user* 90th percentile intake being in the 19+ age group and the lowest in the 2- to 5-year age group. The population

group *per user* 90th percentile intakes normalized for body weight ranged from 2.43 to 7.17 g/kg bw/day, with the highest overall *per user* 90th percentile intake being in the 2- to 5-year age group and the lowest in the 19+ age group.

- The estimate of the 90th percentile *per user* consumption for the general US population (2+ years of age) of approximately 176.15 g/day, or 2.90 g/kg bw/day are extremely conservative and assumes that individuals consume all the proposed foods daily.
- Available safety study data on rice flours in the public domain do not raise any questions with regard to their safe use in foods. The studies include acute and repeated-dose oral toxicity, reproductive and developmental toxicity, genotoxicity/ mutagenicity studies, and human clinical trials.
- No adverse effects were attributable to soluble rice flour in multiple animal studies; NOAELs of approximately 61 – 77 g/kg bw/day were noted in subchronic studies. In addition, no significant adverse events were noted in clinical trial subjects receiving 10 g/day of soluble rice flour for up to 12 weeks.
- The reported NOAELs are significantly higher than the overly conservative estimated daily intakes of soluble rice flour and support the safety of soluble rice flour for the proposed food uses.
- The body of publicly available scientific literature on the consumption and safety of rice flour and the nutritional and chemical characterization of the soluble rice flour product are sufficient to support the safety and GRAS determination of the proposed soluble rice flour ingredient.

Because this safety evaluation was based on generally available and widely accepted data and information, it also satisfies the so-called “common knowledge” element of a GRAS determination. Determination of the safety and GRAS status of soluble rice flour that is the subject of this self-determination has been made through the deliberations of a GRAS Panel of experts convened by Cargill and comprised of Michael Carakostas, DVM, Ph.D., Stanley M. Tarka, Jr., Ph.D., F.A.T.S., and Thomas Vollmuth, Ph.D. These individuals are qualified by scientific training and experience to evaluate the safety of substances intended to be added to foods. They have critically reviewed and evaluated the publicly available information summarized in this document and have individually and collectively concluded that soluble rice flour, produced in a manner consistent with cGMP and meeting the specifications described herein, is safe under its intended conditions of use.

The Panel further unanimously concluded that these uses of soluble rice flour are GRAS based on scientific procedures, and that other experts qualified to assess the safety of foods and food additives would concur with these conclusions. The Panel’s GRAS opinion is included in this document as Exhibit 1.

It is also Cargill’s opinion that other qualified scientists reviewing the same publicly available toxicological and safety information would reach the same conclusion. Cargill has concluded that the soluble rice flour ingredient is GRAS under the intended conditions

of use on the basis of scientific procedures; therefore, it is excluded from the definition of a food additive and may be marketed and sold for its intended purpose in the U.S. without the promulgation of a food additive regulation under Title 21 of the CFR.

Cargill is not aware of any information that would be inconsistent with a finding that the proposed use of the soluble rice flour ingredient in food for human consumption that meets appropriate specifications, and is used according to cGMP, is GRAS. Recent reviews of the scientific literature revealed no potential concerns for adverse health effects.

§ 170.255 Part 7, Supporting Data and Information

The following references are all generally available, unless otherwise noted. Appendix A (analytical Certificates of Analysis for soluble rice flour, and additional analytical data), Appendix B (intake assessment), and Exhibit 1, (the signed Expert Panel report) are not generally available but are attached for reference.

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APPENDIX A

Certificates of Analysis



Certificate of Analysis

Material: Soluble Rice Flour

Batch: 92260-0516-B1

Production Date: 29 May 2019

Parameter	Result	Specification	Analytical Method
Moisture (%)	4.5	Max. 10	Mettler Toledo Moisture Analyzer
Dextrose equivalence	11.3	5-18	Schoori's analysis
pH	4.3	4-7	25% w/w solution
Heavy Metals			
Arsenic (ppm)	0.21 mg/kg	<0.5	AOAC 2013.06
Cadmium (ppm)	0.02 mg/kg	<0.1	AOAC 2013.06
Lead (ppm)	0.006 mg/kg	<0.1	AOAC 2013.06
Mercury (ppm)	0.003 mg/kg	<0.1	AOAC 2013.06
Microbiological			
Aerobic plate count (/g)	100	<10,000	AOAC 990.12
Salmonella (/100 g)	Absent	Absent	ISO 6579
Enterobacteriaceae (/g)	<10	<100	OMA 2003.01 NF validation certificate 3M 01/6-09/37



Certificate of Analysis

Material: Soluble Rice Flour

Batch: 92260-0516-B2

Production Date: 30 May 2019

Parameter	Result	Specification	Analytical Method
Moisture (%)	4.7	Max. 10	Mettler Toledo Moisture Analyzer
Dextrose equivalence	9.01	5-18	Schoorl's analysis
pH	4.3	4-7	25% w/w solution
Heavy Metals			
Arsenic (ppm)	0.22 mg/kg	<0.5	AOAC 2013.06
Cadmium (ppm)	0.02 mg/kg	<0.1	AOAC 2013.06
Lead (ppm)	0.005 mg/kg	<0.1	AOAC 2013.06
Mercury (ppm)	0.004 mg/kg	<0.1	AOAC 2013.06
Microbiological			
Aerobic plate count (/g)	10	<10,000	AOAC 990.12
Salmonella (/100 g)	Absent	Absent	ISO 6579
Enterobacteriaceae (/g)	<10	<100	OMA 2003.01 NF validation certificate 3M 01/6-09/37

Cargill Research and Development, Sample for Research Purposes, Not for Sale.



Certificate of Analysis

Material: Soluble Rice Flour

Batch: 92260-0516-B3

Production Date: 31 May 2019

Parameter	Result	Specification	Analytical Method
Moisture (%)	4.2	Max. 10	Mettler Toledo Moisture Analyzer
Dextrose equivalence	9.7	5-18	Schoorl's analysis
pH	4.24	4-7	25% w/w solution
Heavy Metals			
Arsenic (ppm)	0.21 mg/kg	<0.5	AOAC 2013.06
Cadmium (ppm)	0.021 mg/kg	<0.1	AOAC 2013.06
Lead (ppm)	0.006 mg/kg	<0.1	AOAC 2013.06
Mercury (ppm)	0.004 mg/kg	<0.1	AOAC 2013.06
Microbiological			
Aerobic plate count (/g)	10	<10,000	AOAC 990.12
Salmonella (/100 g)	Absent	Absent	ISO 6579
Enterobacteriaceae (/g)	<10	<100	OMA 2003.01 NF validation certificate 3M 01/6-09/37

Eurofins Sample Code: 464-2018-11200313
Sample Description: Flour
Client Sample Code: Flour 1
PO Number: 4505698811
Client Code: QD0007539

Entry Date: 11/20/2018
Reporting Date: 12/03/2018

Cargill CTS R&D
 attn: Avi Goldstein
 14800 28th Ave N.
 Plymouth, MN 55447

Cargill CTS R&D
 Attn: Varathan Varnadevan
 14800 28th Ave N.
 Plymouth, MN 55447

Sample Reference: 1

CERTIFICATE OF ANALYSIS

AR-18-QD-183125-01

Test	Result	Theoretical Level
KK02W - Heavy Metals (As, Cd, Hg, and Pb)		Completed: 12/03/2018
AOAC 993.14 Mod.		
Arsenic (As)	0.174 ppm	
Cadmium (Cd)	0.018 ppm	
Lead (Pb)	0.011 ppm	
Mercury (Hg)	Not Detected (<0.007 ppm)	
QA879 - Pesticides - US Corn Polar Compounds		Completed: 11/28/2018
Internal LC-MS/MS		
Chlorimuron-ethyl	<0.01 mg/kg	
Cloransulam-methyl	<0.01 mg/kg	
Flumetsulam	<0.01 mg/kg	
Halosulfuron-methyl	<0.01 mg/kg	
Iodosulfuron-methyl	<0.01 mg/kg	
Nicosulfuron	<0.01 mg/kg	
Primisulfuron-methyl	<0.01 mg/kg	
Prosulfuron	<0.01 mg/kg	
Rimsulfuron	<0.01 mg/kg	
Thifensulfuron methyl	<0.01 mg/kg	
Topramezone	<0.01 mg/kg	
Tribenuron-methyl	<0.01 mg/kg	
QA878 - Pesticides - US Corn Acid Compounds		Completed: 11/28/2018
ICI Method GAM-RM-001/86		
2,4-D	<0.01 mg/kg	
Bentazone	<0.01 mg/kg	
Bromoxynil	<0.01 mg/kg	
Clopyralid	<0.01 mg/kg	
Dicamba	<0.01 mg/kg	
Diflufenzopyr	<0.01 mg/kg	
Fluroxypyr	<0.01 mg/kg	
Fomesafen	<0.01 mg/kg	
Imazapyr	<0.01 mg/kg	
Imazethapyr	<0.01 mg/kg	

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Eurofins Sample Code: 464-2018-11200313
 Client Sample Code: Flour 1

Test	Result	Theoretical Level
QA878 - Pesticides - US Corn Acid Compounds (Cont.)		Completed: 11/28/2018
ICI Method GAM-RM-001/86		
MCPA	<0.01 mg/kg	
Acifluorfen	<0.01 mg/kg	
Mesotrione	<0.01 mg/kg	
Tembotrione	<0.01 mg/kg	
Thiencarbazone-methyl	<0.01 mg/kg	
QA01P - Pesticides Quechers GC-MSMS		Completed: 11/28/2018
AOAC 2007.01		
Screened pesticides	Not detected	
QA083 - Pesticides - Glyphosate Compounds (LC-MSMS)		Completed: 11/28/2018
J. Agric. Food Chem. 2004, 52, 4057-4063		
Glufosinate	<0.01 mg/kg	
Glyphosate	<0.01 mg/kg	
QA01R - Pesticides Quechers-LC-MS/MS		Completed: 11/28/2018
AOAC 2007.01		
Screened pesticides	Not detected	
SP936 - Pesticide-Screening Quechers GC-MSD		Completed: 11/30/2018
DIN EN 15662:2009-02		
Screened pesticides	Not Detected	
SPGC1 - Chlormequat and Mepiquat		Completed: 11/30/2018
DIN EN 15055:2006-08		
Chlormequat	<0.005 mg/kg	
Mepiquat	<0.005 mg/kg	
SP931 - Pesticide-Screening Quechers LC-MS/MS		Completed: 11/30/2018
DIN EN 15662:2009-02, mod.		
BAC C18 - Benzyldimethyloctadecylammonium	0.048 mg/kg	
Benzalkonium chloride (total) (BAC)	0.53 mg/kg	
Cetalkonium chloride (BAC-C16)	0.29 mg/kg	
DDAC C10 - Didecyldimethylammoniumchloride	0.085 mg/kg	
DDAC- Sum - Dialkyldimethylammonium chlorides	0.085 mg/kg	
Miristalkonium chloride (BAC-C14)	0.19 mg/kg	
Other screened pesticides	Not Detected	
QA429 - Paraquat		Completed: 11/28/2018
Method published by the CRL (24.04.2005)		
Paraquat	<0.01 mg/kg	

Eurofins Sample Code: 464-2018-11200313**Client Sample Code:** Flour 1

Respectfully Submitted,
Eurofins Scientific Inc.



John Jordan
Manager

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Eurofins Sample Code: 464-2018-11200314
Sample Description: Flour
Client Sample Code: Flour 2
PO Number: 4505698811
Client Code: QD0007539

Entry Date: 11/20/2018
Reporting Date: 12/03/2018

Cargill CTS R&D
 attn: Avi Goldstein
 14800 28th Ave N.
 Plymouth, MN 55447

Cargill CTS R&D
 Attn: Varathan Vamadevan
 14800 28th Ave N.
 Plymouth, MN 55447

Sample Reference: 2

CERTIFICATE OF ANALYSIS

AR-18-QD-183126-01

Test	Rice_Honeyville_#8_Chamber	Result	Theoretical Level
KK02W - Heavy Metals (As, Cd, Hg, and Pb)			Completed: 12/03/2018
AOAC 993.14 Mod.			
	Arsenic (As)	0.198 ppm	
	Cadmium (Cd)	0.023 ppm	
	Lead (Pb)	0.010 ppm	
	Mercury (Hg)	0.006 ppm	
QA879 - Pesticides - US Corn Polar Compounds			Completed: 11/28/2018
Internal LC-MS/MS			
	Chlorimuron-ethyl	<0.01 mg/kg	
	Cloransulam-methyl	<0.01 mg/kg	
	Flumetsulam	<0.01 mg/kg	
	Halosulfuron-methyl	<0.01 mg/kg	
	Iodosulfuron-methyl	<0.01 mg/kg	
	Nicosulfuron	<0.01 mg/kg	
	Primisulfuron-methyl	<0.01 mg/kg	
	Prosulfuron	<0.01 mg/kg	
	Rimsulfuron	<0.01 mg/kg	
	Thifensulfuron methyl	<0.01 mg/kg	
	Topramezone	<0.01 mg/kg	
	Tribenuron-methyl	<0.01 mg/kg	
QA878 - Pesticides - US Corn Acid Compounds			Completed: 11/28/2018
ICI Method GAM-RM-001/86			
	2,4-D	<0.01 mg/kg	
	Bentazone	<0.01 mg/kg	
	Bromoxynil	<0.01 mg/kg	
	Clopyralid	<0.01 mg/kg	
	Dicamba	<0.01 mg/kg	
	Diflufenzopyr	<0.01 mg/kg	
	Fluroxypyr	<0.01 mg/kg	
	Fomesafen	<0.01 mg/kg	
	Imazapyr	<0.01 mg/kg	
	Imazethapyr	<0.01 mg/kg	
	MCPA	<0.01 mg/kg	

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Eurofins Sample Code: 464-2018-11200314

Client Sample Code: Flour 2

Test	Result	Theoretical Level
QA878 - Pesticides - US Corn Acid Compounds (Cont.)		Completed: 11/28/2018
ICI Method GAM-RM-001/86		
Acifluorfen	<0.01 mg/kg	
Mesotrione	<0.01 mg/kg	
Tembotrione	<0.01 mg/kg	
Thiencarbazone-methyl	<0.01 mg/kg	
QA01P - Pesticides Quechers GC-MSMS		Completed: 11/28/2018
AOAC 2007.01		
Screened pesticides	Not detected	
QA083 - Pesticides - Glyphosate Compounds (LC-MSMS)		Completed: 11/28/2018
J. Agric. Food Chem. 2004, 52, 4057-4063		
Glufosinate	<0.01 mg/kg	
Glyphosate	<0.01 mg/kg	
QA01R - Pesticides Quechers-LC-MS/MS		Completed: 11/28/2018
AOAC 2007.01		
Other screened pesticides	Not Detected	
Piperonyl butoxide (PBO)	0.014 mg/kg	
SP936 - Pesticide-Screening Quechers GC-MSD		Completed: 11/30/2018
DIN EN 15662:2009-02		
Screened pesticides	Not Detected	
SPGC1 - Chlormequat and Mepiquat		Completed: 11/30/2018
DIN EN 15055:2006-08		
Chlormequat	<0.005 mg/kg	
Mepiquat	< 0.005 mg/kg	
SP931 - Pesticide-Screening Quechers LC-MS/MS		Completed: 11/30/2018
DIN EN 15662:2009-02, mod.		
BAC C18 - Benzyltrimethylammonium chloride	0.44 mg/kg	
Benzalkonium chloride (total) (BAC)	4.3 mg/kg	
Benzyltrimethylammonium chloride (BAC-C12)	0.050 mg/kg	
Cetalkonium chloride (BAC-C16)	2.1 mg/kg	
DDAC C10 - Didecyltrimethylammoniumchloride	0.44 mg/kg	
DDAC C8 - Dioctyltrimethylammonium chloride	0.10 mg/kg	
DDAC- Sum - Dialkyltrimethylammonium chlorides	0.54 mg/kg	
Miristalkonium chloride (BAC-C14)	1.7 mg/kg	
Other screened pesticides	Not Detected	
Piperonyl butoxide	0.010 mg/kg	
Quinlorac	0.022 mg/kg	
QA429 - Paraquat		Completed: 11/28/2018
Method published by the CRL (24.04.2005)		
Paraquat	<0.01 mg/kg	

Eurofins Sample Code: 464-2018-11200314
Client Sample Code: Flour 2

Respectfully Submitted,
Eurofins Scientific Inc.



John Jordan
Manager

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Eurofins Sample Code: 464-2018-11200315
Sample Description: Flour
Client Sample Code: Flour 3
PO Number: 4505698811
Client Code: QD0007539

Entry Date: 11/20/2018
Reporting Date: 12/03/2018

Cargill CTS R&D
 attn: Avi Goldstein
 14800 28th Ave N.
 Plymouth, MN 55447

Cargill CTS R&D
 Attn: Varathan Vamadevan
 14800 28th Ave N.
 Plymouth, MN 55447

Sample Reference: 3

CERTIFICATE OF ANALYSIS
 AR-18-QD-183127-01

Test	Result	Theoretical Level
Native Honeyville Flour		
KK02W - Heavy Metals (As, Cd, Hg, and Pb)		Completed: 12/03/2018
AOAC 993.14 Mod.		
Arsenic (As)	0.223 ppm	
Cadmium (Cd)	0.018 ppm	
Lead (Pb)	Not Detected (<0.005 ppm)	
Mercury (Hg)	Not Detected (<0.005 ppm)	

Respectfully Submitted,
Eurofins Scientific Inc.



John Jordan
 Manager

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Certificate of Analysis



Cargill-MN
14800 28th Avenue N.

Date Received: 11/20/2018

Date Reported: 11/27/2018

Plymouth MN
Attn:

Certificate No: 2573062



P.O. Number:

Trilogy ID: S183241113

Client Sample ID: Flour 1



Description Flour

Notes: Rice_Honeyville_#1

Analysis	Results	Units	Detection		Reference
			Limit	Method	
15-Acetyl Deoxynivalenol	ND	ppm	0.1 ppm	LCMSMS	Internal SOP-14-168
3-Acetyl Deoxynivalenol	ND	ppm	0.1 ppm	LCMSMS	Internal SOP-14-168
Aflatoxin B1	ND	ppb	1 ppb	LCMSMS	Internal SOP-14-168
Aflatoxin B2	ND	ppb	1 ppb	LCMSMS	Internal SOP-14-168
Aflatoxin G1	ND	ppb	1 ppb	LCMSMS	Internal SOP-14-168
Aflatoxin G2	ND	ppb	1 ppb	LCMSMS	Internal SOP-14-168
Citrinin	ND	ppb	50 ppb	LCMSMS	Internal SOP-14-168
Diacetoxyscirpenol	ND	ppb	20 ppb	LCMSMS	Internal SOP-14-168
Deoxynivalenol	ND	ppm	0.1 ppm	LCMSMS	Internal SOP-14-168
Fumonisin B1	ND	ppm	0.1 ppm	LCMSMS	Internal SOP-14-168
Fumonisin B2	ND	ppm	0.1 ppm	LCMSMS	Internal SOP-14-168
Fumonisin B3	ND	ppm	0.1 ppm	LCMSMS	Internal SOP-14-168
Fusarenon X	ND	ppm	0.1 ppm	LCMSMS	Internal SOP-14-168
HT-2 Toxin	ND	ppb	5 ppb	LCMSMS	Internal SOP-14-168
Neosolaniol	ND	ppb	20 ppb	LCMSMS	Internal SOP-14-168
Nivalenol	ND	ppm	0.1 ppm	LCMSMS	Internal SOP-14-168
Ochratoxin A	ND	ppb	1 ppb	LCMSMS	Internal SOP-14-168
T-2 Toxin	ND	ppb	5 ppb	LCMSMS	Internal SOP-14-168
Zearalenone	ND	ppb	12.5 ppb	LCMSMS	Internal SOP-14-168

Results Approved by:

Julie Brunckhorst Vice President of the Technical Division

ND = None Detected

The results of these tests are performed under ambient temperature and humidity. These results relate only to the samples tested. This report shall not be reproduced except in full, without written approval of the laboratory. Samples retained for 30 days after receipt. All analytical results inherently contain a degree of uncertainty. Our methods have been validated and specific uncertainties determined for each method. Uncertainty measurements are available upon request.

Certificate of Analysis



Cargill-MN
14800 28th Avenue N.

Date Received: 11/20/2018

Date Reported: 11/27/2018

Plymouth MN
Attn:

Certificate No: 2573062



P.O. Number:

Trilogy ID: S183241114

Client Sample ID: Flour 2



Description Flour

Notes: Rice_Honeyville_#7_Chamber

Analysis	Results	Units	Detection		Reference
			Limit	Method	
15-Acetyl Deoxynivalenol	ND	ppm	0.1 ppm	LCMSMS	Internal SOP-14-168
3-Acetyl Deoxynivalenol	ND	ppm	0.1 ppm	LCMSMS	Internal SOP-14-168
Aflatoxin B1	ND	ppb	1 ppb	LCMSMS	Internal SOP-14-168
Aflatoxin B2	ND	ppb	1 ppb	LCMSMS	Internal SOP-14-168
Aflatoxin G1	ND	ppb	1 ppb	LCMSMS	Internal SOP-14-168
Aflatoxin G2	ND	ppb	1 ppb	LCMSMS	Internal SOP-14-168
Citrinin	ND	ppb	50 ppb	LCMSMS	Internal SOP-14-168
Diacetoxyscirpenol	ND	ppb	20 ppb	LCMSMS	Internal SOP-14-168
Deoxynivalenol	ND	ppm	0.1 ppm	LCMSMS	Internal SOP-14-168
Fumonisin B1	ND	ppm	0.1 ppm	LCMSMS	Internal SOP-14-168
Fumonisin B2	ND	ppm	0.1 ppm	LCMSMS	Internal SOP-14-168
Fumonisin B3	ND	ppm	0.1 ppm	LCMSMS	Internal SOP-14-168
Pusarenon X	ND	ppm	0.1 ppm	LCMSMS	Internal SOP-14-168
HT-2 Toxin	ND	ppb	5 ppb	LCMSMS	Internal SOP-14-168
Nicosolaniol	ND	ppb	20 ppb	LCMSMS	Internal SOP-14-168
Nivalenol	ND	ppm	0.1 ppm	LCMSMS	Internal SOP-14-168
Ochratoxin A	ND	ppb	1 ppb	LCMSMS	Internal SOP-14-168
T-2 Toxin	ND	ppb	5 ppb	LCMSMS	Internal SOP-14-168
Zearalenone	ND	ppb	12.5 ppb	LCMSMS	Internal SOP-14-168

Results Approved by:

Julie Brunkhorst Vice President of the Technical Division

ND = None Detected

The results of these tests are performed under ambient temperature and humidity. These results relate only to the samples tested. This report shall not be reproduced except in full, without written approval of the laboratory. Samples retained for 30 days after receipt. All analytical results inherently contain a degree of uncertainty. Our methods have been validated and specific uncertainties determined for each method. Uncertainty measurements are available upon request.

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APPENDIX B

Intake Assessment Report

Estimated Daily Intake of Soluble Rice Flour

MARCH 17, 2020

Tox Strategies

Innovative solutions
Sound science

Estimated Daily Intake of Soluble Rice Flour

MARCH 17, 2020

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Acronyms

ARS	Agricultural Research Service
CDC	Centers for Disease Control and Prevention
EDI	estimated daily intake
EPA	US Environmental Protection Agency
FCID	Food Commodity Intake Database
FNDDS	Food and Nutrient Database for Dietary Studies
g/kg BW/day	grams per kilogram body weight per day
NHANES	National Health and Nutrition Examination Survey
USDA	US Department of Agriculture
WWEIA	What We Eat in America

Executive Summary

ToxStrategies has conducted an intake assessment to estimate the mean and 90th percentile daily intake of the ingredient soluble rice flour based on its intended use in foods. This assessment included several proposed food categories for the use of soluble rice flour: bakery cookies and pastry, bakery reduced-fat cookies and pastry, ready-to-drink (RTD) beverages, RTD sport nutrition beverages, reduced-sugar cereals (ready-to-eat [RTE]) and cereal bars, candies, confectionery, dairy products and imitations of dairy products, dry-mix seasonings and blends, infant food cereal, infant food bakery, powdered beverage mixes, instant and prepared sauces, pourable and spoonable reduced-fat salad dressings, reduced-sugar snack-based fillings, reduced-fat mayonnaise, reduced-sugar ketchup/mustard, and other reduced-fat/sugar condiments in which soluble rice flour is intended to be used.

In reduced-sugar snack-based fillings, sauces, dry mix seasonings and blends, dairy products and imitations of dairy products, reduced-fat mayonnaise, reduced-sugar ketchup/mustard, and other reduced-fat/sugar condiments food categories, soluble rice flour was present only in the filling, sauce, seasoning and soup or broth, spread, and condiment components, respectively.

After calculating the proportions of these ingredients in selected foods using the Food and Nutrient Database for Dietary Studies (FNDDS), and analyzing dietary survey data from the National Health and Nutrition Examination Survey (NHANES), the total estimated daily intake (EDI) of the soluble rice flour was calculated. The *per user* mean and 90th percentile EDIs of the soluble rice flour for the US population ages 2 years and over were determined to be 74.65 and 176.15 g/day (1.21 and 2.90 g/kg body weight/day), respectively. The *per capita* mean and 90th percentile EDI of soluble rice flour for the US population ages 2 years and older were determined to be 73.89 and 174.69 g/day (1.20 and 2.88 g/kg body weight/day), respectively.

1 Data

To calculate the EDI of the soluble rice flour, information about its proposed uses in foods was combined with up-to-date, publicly available dietary intake survey data. Data sources are described in the following sections.

1.1 Proposed Uses and Use Levels of Soluble Rice Flour

Cargill, Inc, proposes to use soluble rice flour in various food categories according to Table 1.

Table 1. Proposed uses and use levels of soluble rice flour

Food Category	Maximum Proposed Use Level (% by mass)
Bakery cookies and pastry	5%
Bakery reduced-fat cookies and pastry	25%
RTD beverages	1%
RTD sport nutrition beverages	10%
Reduced-sugar cereals (RTE) and cereal bars	20%
Candies	10%
Confectionery	50%
Dairy and imitation dairy products	10%
Dry-mix seasoning and blends	25%
Infant food: cereal	20%
Infant food: bakery	5%
Powdered beverage mix	60%
Sauces, instant and prepared	5%
Reduced-fat salad dressing, pourable and spoonable	20%
Reduced-sugar snack-based fillings	20%
Reduced fat mayonnaise, reduced-sugar ketchup/mustard, and other reduced-fat/sugar condiments	5%

1.2 Dietary Survey Data

Dietary survey data were obtained from WWEIA, the dietary interview portion of the NHANES database. NHANES is carried out in two-year cycles (biennials) by the Centers for Disease Control and Prevention (CDC), to characterize the general health and nutritional status of children and adults across the US. The dietary intake survey portion of NHANES is a joint effort between CDC and the U S Department of Agriculture (U SDA). All NHANES biennials for which dietary intake data were available were included in the present analysis (CDC, 2003-2004, 2005-2006, 2007-2008, 2009-2010, 2011-2012, 2013-2014, and 2015-2016).

W WEIA consists of two 24-hour dietary recall interviews. The first day of the W WEIA dietary questionnaire was administered in person, in conjunction with the participants' interviews and examinations for the other NHANES lifestyle and laboratory assessments. The second day of the survey was collected via a phone interview at some point 3–10 days after the first survey day. Respondents who provided complete records for both days were designated “reliable” by W WEIA; only these respondents were considered in this analysis.

NHANES also collects demographic and anthropometric information for each respondent, including age, sex, and body weight. These data can be linked to the W WEIA dietary intake data using a unique (but anonymous) ID number assigned to each NHANES respondent. Some respondents may be missing some information. To calculate intake on a per-kg-body-weight basis, only the “reliable” W WEIA respondents who also provided body-weight information were considered in this analysis.

NHANES uses a survey structure designed to produce a representative sample of the U S population. Each respondent is assigned a sample weight, which can be interpreted as the number of people in the U S population who are represented by that respondent in that biennial. W hendata from multiple biennials are combined, the sample weights must be adjusted by dividing each sample weight by the number of biennials being combined (NHANES, 2018).

Data collected during the dietary interview include a list of foods consumed by the participant, each encoded by a numerical “food code,” and the amount of each food that was eaten at each meal, in grams.

1.3 Proportion of Ingredients in Foods

Food codes were included in each of the use categories in Table 1 if they contained any component in that use category. For example, food code 27510950, “R euben sandwich (corned beef sandwich with sauerkraut and cheese), with spread,” was included in the use category “Dairy and imitation dairy products,” because the “spread” component of this food code was part of this use category. However, W WEIA does not separately record the amounts consumed of individual food components; it only records the amount consumed of the whole food “as eaten.” In the example of the R euben sandwich, W WEIA records only that a respondent consumed, for example, 200 grams of this food code. The amounts of the separate components—the beef, bread, sauerkraut, cheese, and spread—are not broken out. Therefore, when soluble rice flour is to be applied only to one component of a food, it is necessary to estimate the relevant proportion of that component in the food. In the R euben sandwich, the 10% use level in the “Dairy and imitation dairy products” category should not be applied to the full 200 grams consumed; it should be applied only to the portion of that 200 grams that is composed of sandwich spread. If the sandwich were 16% spread by mass, then the amount of soluble rice flour consumed would be $200 \text{ g sandwich} * 16\% \text{ spread} * 10\% \text{ use level} = 3.2 \text{ g soluble rice flour}$.

U secategories in

Table 1 in which soluble rice flour is used in only one component of the food are listed in Table 2.

Table 2. Use categories from Table 1 in which soluble rice flour is used only in a component of the foods in each category

Use Category	Component in Which Soluble Rice Flour is Used
Reduced-sugar snack-based fillings	Filling
Sauces	Sauce
Dry mix seasonings and blends	Seasoning; dry/instant soup or broth
Dairy products and imitation dairy products	Spread
Reduced-fat mayonnaise, reduced-sugar ketchup/mustard, and other reduced-fat/sugar condiments	Condiment

For the foods in the use categories listed in Table 2, the proportion of the relevant component in each food code was obtained using the FNDDS Databases from 2001–2016.

FNDDS provides nutrient profiles, associated portions, and recipe calculations for foods and beverages specified in each W W EIA NHANES survey year. Recipes specify ingredients and their amounts, which were determined by U SDA based on food-label data from U SDA’s Branded Food Products Database (U SDA, AR S et al., 2016), company websites, product preparation instructions, label ingredients, cookbooks, and recipe websites. An example of an FNDDS recipe report generated for W W EIA food code 27510950 (the Reuben sandwich) is shown in Table 3. The recipe breaks down the components of the sandwich, allowing the relevant proportion of spread to be calculated (see Section 2.3).

In

Table 3, “Food code” is the eight-digit W WEIA food code. “Seq num” is a number denoting the order of the ingredients within a food code, from highest-mass to lowest-mass. “Ingredient code” is a unique numerical code identifying the ingredient. “Ingredient description” describes each ingredient in words. “Ingredient weight” is the weight in grams of each ingredient in one standard portion of the food code, where a standard portion is defined in another portion of the FNDDS database. (Here, the exact size of the standard portion is not relevant, because the ingredient weights are used only to calculate proportions.)

Table 3. Example of FNDDS recipe report generated for WVEIA Food Code 27510950

Food Code	Seq Num	Ingredient Code	Ingredient Description	Ingredient Weight (g)
27510950	1	18060	Bread, rye	64
27510950	2	13347	Beef, cured, corned beef, brisket, cooked	56.7
27510950	3	11439	Sauerkraut, canned, solids and liquids	8.875
27510950	4	1040	Cheese, swiss	28.35
27510950	5	4017	Salad dressing, thousand island, commercial, regular	31.25

2 Methods

To estimate the intake of soluble rice flour from its proposed uses, ToxStrategies performed the following steps:

- Step 1: Identified W VEIA foods to which soluble rice flour may be applied.
- Step 2: Searched FNDDS database recipes for food codes in the categories listed in Table 2.
- Step 3: Using FNDDS recipes, calculated the proportion of relevant components in food codes in the categories listed in Table 2. For other food codes, the proportion is 1.
- Step 4: Calculated individual intake of soluble rice flour for individual NHANES respondents, using dietary intake data and the proportions calculated in Step 3.
- Step 5: Calculated population statistics estimating the intake of soluble rice flour.

Details of each step are provided in the following sections.

2.1 Identification of Foods and Their Components to Which Soluble Rice Flour May Be Added

To identify foods that are proposed to contain soluble rice flour, ToxStrategies performed a thorough search of food codes reported in W VEIA. Food code descriptions from

W WEA were examined manually and flagged if they could be considered members of one or more of the food categories specified in

Table 1.

Cargill, Inc., specified a range of food codes for which soluble rice flour will be present in only one component of the foods. Food codes retained for further analysis are listed in the appendix.

2.2 Search of FNDDS Recipes for Identified Food Codes

The FNDDS database was downloaded from <https://www.ars.usda.gov/northeast-area/beltsville-md-bhnrc/beltsville-human-nutrition-research-center/food-surveys-research-group/docs/fndds-download-databases/>, and it was searched for the food codes identified in the previous step.

2.3 Calculation of Proportion

Once an FNDDS recipe was assigned to each food code, the recipe was used to calculate the relevant proportion in that food code.

To calculate the proportion of the relevant component, FNDDS ingredients included in the relevant component were identified. The ingredient weights of the relevant ingredients were summed to yield the weight of the relevant component. Then, the weight of the relevant component was divided by the total weight of all ingredients to yield the relevant proportion.

For example, food code 27510950, “Reuben sandwich (corned beef sandwich with sauerkraut and cheese), with spread,” was considered to be part of the “Dairy and imitation dairy products” food category. In this food category, soluble rice flour will be present only in the spread component of the food. From

Table 3, the FNDDS ingredient corresponding to the “spread” component was identified as “Salad dressing, thousand island, commercial, regular.” The weight of this ingredient was divided by the total weight of all ingredients to yield the relevant proportion.

$$Proportion_{spread} = \frac{31.25}{64 + 56.7 + 8.875 + 28.35 + 31.25} = 0.1652$$

2.4 Calculation of Individual Intake of Soluble Rice Flour for Individual Survey Participants

NHANES W WEIA dietary intake data from 2003–2016 were filtered to include only respondents designated “reliable” (with both days of the survey completed) who also reported body-weight data. Both days of the NHANES W WEIA dietary interviews from each biennial were analyzed.

Participants’ consumption of the soluble rice flour was averaged over the two response days [i.e., (Day1 consumption + Day2 consumption)/2]. Consumption of soluble rice flour was calculated using the grams of the relevant food consumed as reported in NHANES, multiplied by the relevant proportion of the food in which soluble rice flour will be present, and then multiplied by the maximum proposed use level of soluble rice flour in that food. For example, for the food code 27510950, “R euben sandwich (corned beef sandwich with sauerkraut and cheese), with spread” (in category “Dairy and imitation dairy products”), the relevant proportion of the food was 0.1652, and the maximum proposed use level was 10%. Thus, a survey participant who consumed 100 g of this food on Day 1, and 200 g of this food on Day 2, would consume 2.478 g per day of soluble rice flour, as detailed in the equation.

$$Consumption_{27510950} = \frac{100 + 200}{2} \times 0.1652 \times 0.1 = 2.478g$$

Individual intake of soluble rice flour was also calculated as grams per kg body weight per day, by dividing the calculated intake in grams by the respondent’s individual reported body weight. For example, if the hypothetical respondent in the previous example weighed 82 kg, their intake of soluble rice flour would be 2.478 g per day / 82 kg = 0.03 g/kg body weight/day of soluble rice flour from consumption of food code 27510950.

2.5 Calculation of Population Statistics Describing Soluble Rice Flour Estimated Daily Intake

All NHANES biennials for which dietary intake data were available were included in this analysis (2003-2004, 2005-2006, 2007-2008, 2009-2010, 2011-2012, 2013-2014, and 2015-2016). The dietary and sample weighting data from all biennials were combined according to the NHANES analytic guidelines for combining surveys (NHANES, 2018). From the combined data set, descriptive statistics (mean and 90th percentile) were estimated for the population intake of soluble rice flour per day. Statistics were calculated, properly accounting for sample weighting, using the “survey” package version 3.36 (Lumley, 2004)

in the R (version 3.6.1) environment for statistical computing (R Core Team, 2019). Mean and 90th percentile intakes were calculated on the basis of both grams per day and grams per kg body weight per day. Statistics were calculated both for the subset of the population with non-zero consumption of food codes on the selected list (consumers only) and for the entire population (per capita).

3 Results

Tables 4 and 5, below, respectively present the EDIs for soluble rice flour in grams per day and grams per kilogram body weight per day for the following age groups in the U S population: 2 years and older, 2 to 5 years, 6 to 18 years, and 19 years and older. The “number of users” refers to the number of survey participants in a given age group who consumed a food item in a given food category. The “percent users” is the percentage of soluble rice flour users out of the total number of reliable survey participants (users and non-users) belonging to a given age group. Intake is provided for each of the food categories listed in

Table 1. “Total” values include users who consumed foods in any of the proposed food categories. Note that the “Total” values are not simple sums of the values listed above them.

When the 90th percentile *per capita* EDI is reported as 0.00E+00 for a category, it means that more than 90% of respondents did not report consuming any foods in this category.

Table 4. Estimated daily intake for soluble rice flour (g/day)

Food Category	Number of Users	Percent Users	EDI per User (g/day)		EDI per Capita (g/day)	
			Mean	90th Percentile	Mean	90th Percentile
US Population, Ages 2+						
Reduced-fat mayonnaise, reduced-sugar ketchup/mustard, and other reduced-fat/sugar condiments	1848	4%	4.35E-01	8.87E-01	1.92E-02	0.00E+00
Dry-mix seasoning and blends	524	1%	3.61E+01	7.17E+01	2.98E-01	0.00E+00
Bakery cookies and pastry	25388	51%	2.54E+00	5.55E+00	1.28E+00	3.75E+00
Bakery reduced-fat cookies and pastry	1473	3%	2.00E+01	5.63E+01	5.88E-01	0.00E+00
RTD sport nutrition beverages	4010	8%	3.92E+01	7.44E+01	3.13E+00	0.00E+00
RTD beverages	26775	53%	4.02E+00	8.75E+00	2.03E+00	5.83E+00
Reduced-sugar cereals (RTE) and cereal bars	23221	46%	7.95E+00	1.52E+01	3.66E+00	1.09E+01
Candies	17417	35%	2.45E+00	5.35E+00	8.58E-01	2.75E+00
Confectionary	16680	33%	2.52E+01	5.65E+01	8.86E+00	2.93E+01
Dairy and imitation dairy products	38345	76%	1.12E+01	2.75E+01	8.87E+00	2.48E+01
Infant food: cereal	36	0%	4.12E+00	1.07E+01	1.90E-03	0.00E+00
Infant food: bakery	24	0%	2.15E-01	5.63E-01	7.16E-05	0.00E+00

Food Category	Number of Users	Percent Users	EDI per User (g/day)		EDI per Capita (g/day)	
			Mean	90th Percentile	Mean	90th Percentile
Powdered beverage mix	12883	26%	1.76E+02	3.88E+02	4.00E+01	1.36E+02
Sauces, instant and prepared	24574	49%	3.91E+00	8.79E+00	1.96E+00	6.07E+00
Reduced-fat salad dressing, pourable and spoonable	23111	46%	7.43E+00	2.06E+01	3.81E+00	1.20E+01
Reduced-sugar snack-based fillings	11935	24%	8.23E+00	1.70E+01	2.04E+00	7.50E+00
Total	49619	99%	7.46E+01	1.76E+02	7.39E+01	1.75E+02
US Population, Ages 2-5						
Reduced-fat mayonnaise, reduced-sugar ketchup/mustard, and other reduced-fat/sugar condiments	105	2%	1.76E-01	4.03E-01	4.03E-03	0.00E+00
Dry-mix seasoning and blends	65	1%	2.90E+01	4.85E+01	2.53E-01	0.00E+00
Bakery cookies and pastry	2821	61%	1.53E+00	3.17E+00	9.87E-01	2.60E+00
Bakery reduced-fat cookies and pastry	135	3%	6.55E+00	1.47E+01	1.97E-01	0.00E+00
RTD sport nutrition beverages	288	6%	1.90E+01	3.64E+01	1.16E+00	0.00E+00
RTD beverages	3504	76%	2.44E+00	4.85E+00	1.77E+00	4.21E+00
Reduced-sugar cereals (RTE) and cereal bars	3333	72%	5.03E+00	9.55E+00	3.58E+00	8.44E+00
Candies	2151	46%	1.84E+00	3.65E+00	8.95E-01	2.60E+00
Confectionary	1682	36%	1.63E+01	3.54E+01	6.39E+00	2.04E+01
Dairy and imitation dairy products	3520	76%	1.44E+01	3.52E+01	1.13E+01	3.11E+01
Infant food: cereal	31	1%	4.76E+00	1.09E+01	3.22E-02	0.00E+00

Food Category	Number of Users	Percent Users	EDI per User (g/day)		EDI per Capita (g/day)	
			Mean	90th Percentile	Mean	90th Percentile
Infant food: bakery	19	0%	1.98E-01	5.24E-01	1.04E-03	0.00E+00
Powdered beverage mix	1206	26%	1.04E+02	2.25E+02	2.57E+01	8.05E+01
Sauces, instant and prepared	2184	47%	2.98E+00	6.28E+00	1.40E+00	4.51E+00
Reduced-fat salad dressing, pourable and spoonable	1372	30%	3.07E+00	8.05E+00	9.06E-01	1.96E+00
Reduced-sugar snack-based fillings	1314	28%	5.06E+00	9.84E+00	1.59E+00	5.44E+00
Total	4603	99%	5.32E+01	1.20E+02	5.30E+01	1.20E+02
US Population, Ages 6-18						
Reduced-fat mayonnaise, reduced-sugar ketchup/mustard, and other reduced-fat/sugar condiments	425	3%	3.50E-01	7.80E-01	1.20E-02	0.00E+00
Dry-mix seasoning and blends	183	1%	3.05E+01	6.56E+01	3.06E-01	0.00E+00
Bakery cookies and pastry	7970	55%	2.46E+00	5.40E+00	1.41E+00	3.93E+00
Bakery reduced-fat cookies and pastry	468	3%	1.59E+01	3.67E+01	5.70E-01	0.00E+00
RTD sport nutrition beverages	1645	11%	3.58E+01	6.56E+01	4.65E+00	1.53E+01
RTD beverages	8890	62%	2.78E+00	5.44E+00	1.62E+00	4.35E+00
Reduced-sugar cereals (RTE) and cereal bars	8304	58%	7.48E+00	1.44E+01	4.43E+00	1.17E+01
Candies	5951	41%	2.66E+00	6.03E+00	1.12E+00	3.29E+00
Confectionary	4976	35%	2.32E+01	5.08E+01	8.80E+00	2.83E+01
Dairy and imitation dairy products	11020	76%	1.45E+01	3.37E+01	1.13E+01	2.95E+01

Food Category	Number of Users	Percent Users	EDI per User (g/day)		EDI per Capita (g/day)	
			Mean	90th Percentile	Mean	90th Percentile
Infant food: cereal	2	0%	1.90E+00	1.90E+00	5.37E-04	0.00E+00
Infant food: bakery	3	0%	1.60E-01	1.60E-01	3.31E-05	0.00E+00
Powdered beverage mix	3395	24%	1.37E+02	2.98E+02	2.95E+01	1.03E+02
Sauces, instant and prepared	6933	48%	4.11E+00	8.98E+00	1.98E+00	6.23E+00
Reduced-fat salad dressing, pourable and spoonable	5752	40%	6.81E+00	2.15E+01	2.69E+00	7.93E+00
Reduced-sugar snack-based fillings	3588	25%	7.70E+00	1.54E+01	2.05E+00	7.50E+00
Total	14335	99%	6.71E+01	1.51E+02	6.65E+01	1.50E+02
US Population, Ages 19+						
Reduced-fat mayonnaise, reduced-sugar ketchup/mustard, and other reduced-fat/sugar condiments	1318	4%	4.59E-01	9.69E-01	2.20E-02	0.00E+00
Dry-mix seasoning and blends	276	1%	3.84E+01	7.55E+01	2.99E-01	0.00E+00
Bakery cookies and pastry	14597	47%	2.66E+00	5.77E+00	1.27E+00	3.78E+00
Bakery reduced-fat cookies and pastry	870	3%	2.24E+01	5.71E+01	6.20E-01	0.00E+00
RTD sport nutrition beverages	2077	7%	4.20E+01	8.68E+01	2.90E+00	0.00E+00
RTD beverages	14381	46%	4.57E+00	1.00E+01	2.14E+00	6.51E+00
Reduced-sugar cereals (RTE) and cereal bars	11584	37%	8.48E+00	1.62E+01	3.47E+00	1.09E+01
Candies	9315	30%	2.45E+00	5.39E+00	7.91E-01	2.59E+00
Confectionary	10022	32%	2.64E+01	5.88E+01	9.05E+00	3.06E+01

Food Category	Number of Users	Percent Users	EDI per User (g/day)		EDI per Capita (g/day)	
			Mean	90th Percentile	Mean	90th Percentile
Dairy and imitation dairy products	23805	77%	1.02E+01	2.54E+01	8.11E+00	2.27E+01
Infant food: cereal	3	0%	1.10E+00	1.13E+00	5.73E-05	0.00E+00
Infant food: bakery	2	0%	1.06E+00	1.08E+00	1.15E-05	0.00E+00
Powdered beverage mix	8282	27%	1.91E+02	4.26E+02	4.36E+01	1.48E+02
Sauces, instant and prepared	15457	50%	3.92E+00	8.84E+00	1.99E+00	6.14E+00
Reduced-fat salad dressing, pourable and spoonable	15987	51%	7.71E+00	2.08E+01	4.29E+00	1.37E+01
Reduced-sugar snack-based fillings	7033	23%	8.67E+00	1.79E+01	2.07E+00	7.50E+00
Total	30681	99%	7.80E+01	1.87E+02	7.72E+01	1.86E+02

Table 5. Estimated daily intake for soluble rice flour (g/kg BW/day)

Food Category	Number of Users	Percent Users	EDI per User (g/kg/day)		EDI per Capita (g/kg/day)	
			Mean	90th Percentile	Mean	90th Percentile
US Population, Ages 2+						
Reduced-fat mayonnaise, reduced-sugar ketchup/mustard, and other reduced-fat/sugar condiments	1848	4%	6.18E-03	1.27E-02	2.72E-04	0.00E+00
Dry-mix seasoning and blends	524	1%	6.48E-01	1.49E+00	5.34E-03	0.00E+00
Bakery cookies and pastry	25388	51%	4.32E-02	9.73E-02	2.18E-02	6.40E-02
Bakery reduced-fat cookies and pastry	1473	3%	3.06E-01	7.41E-01	8.98E-03	0.00E+00
RTD sport nutrition beverages	4010	8%	6.10E-01	1.20E+00	4.87E-02	0.00E+00
RTD beverages	26775	53%	6.45E-02	1.40E-01	3.26E-02	9.49E-02
Reduced-sugar cereals (RTE) and cereal bars	23221	46%	1.43E-01	2.95E-01	6.56E-02	1.95E-01
Candies	17417	35%	4.48E-02	1.01E-01	1.57E-02	4.55E-02
Confectionary	16680	33%	4.23E-01	9.38E-01	1.49E-01	4.77E-01
Dairy and imitation dairy products	38345	76%	2.15E-01	5.11E-01	1.70E-01	4.34E-01
Infant food: cereal	36	0%	3.03E-01	7.37E-01	1.39E-04	0.00E+00
Infant food: bakery	24	0%	1.28E-02	3.28E-02	4.25E-06	0.00E+00
Powdered beverage mix	12883	26%	2.75E+00	5.96E+00	6.25E-01	2.04E+00
Sauces, instant and prepared	24574	49%	6.39E-02	1.45E-01	3.20E-02	9.55E-02
Reduced-fat salad dressing, pourable and spoonable	23111	46%	1.05E-01	2.81E-01	5.38E-02	1.68E-01

Food Category	Number of Users	Percent Users	EDI per User (g/kg/day)		EDI per Capita (g/kg/day)	
			Mean	90th Percentile	Mean	90th Percentile
Reduced-sugar snack-based fillings	11935	24%	1.39E-01	2.93E-01	3.44E-02	1.15E-01
Total	49619	99%	1.21E+00	2.90E+00	1.20E+00	2.88E+00
US Population, Ages 2-5						
Reduced-fat mayonnaise, reduced-sugar ketchup/mustard, and other reduced-fat/sugar condiments	105	2%	9.46E-03	1.68E-02	2.17E-04	0.00E+00
Dry-mix seasoning and blends	65	1%	1.64E+00	2.83E+00	1.43E-02	0.00E+00
Bakery cookies and pastry	2821	61%	9.09E-02	1.90E-01	5.86E-02	1.54E-01
Bakery reduced-fat cookies and pastry	135	3%	4.06E-01	9.41E-01	1.22E-02	0.00E+00
RTD sport nutrition beverages	288	6%	1.12E+00	1.87E+00	6.89E-02	0.00E+00
RTD beverages	3504	76%	1.47E-01	2.96E-01	1.06E-01	2.55E-01
Reduced-sugar cereals (RTE) and cereal bars	3333	72%	2.99E-01	5.60E-01	2.12E-01	5.05E-01
Candies	2151	46%	1.08E-01	2.15E-01	5.26E-02	1.52E-01
Confectionary	1682	36%	9.44E-01	2.05E+00	3.70E-01	1.17E+00
Dairy and imitation dairy products	3520	76%	8.51E-01	2.02E+00	6.69E-01	1.76E+00
Infant food: cereal	31	1%	3.66E-01	7.82E-01	2.48E-03	0.00E+00
Infant food: bakery	19	0%	1.40E-02	3.64E-02	7.41E-05	0.00E+00
Powdered beverage mix	1206	26%	6.06E+00	1.39E+01	1.50E+00	4.93E+00
Sauces, instant and prepared	2184	47%	1.78E-01	3.90E-01	8.37E-02	2.71E-01

Food Category	Number of Users	Percent Users	EDI per User (g/kg/day)		EDI per Capita (g/kg/day)	
			Mean	90th Percentile	Mean	90th Percentile
Reduced-fat salad dressing, pourable and spoonable	1372	30%	1.79E-01	4.61E-01	5.28E-02	1.15E-01
Reduced-sugar snack-based fillings	1314	28%	2.95E-01	5.65E-01	9.24E-02	3.10E-01
Total	4603	99%	3.13E+00	7.17E+00	3.11E+00	7.15E+00
US Population, Ages 6–18						
Reduced-fat mayonnaise, reduced-sugar ketchup/mustard, and other reduced-fat/sugar condiments	425	3%	7.41E-03	1.34E-02	2.53E-04	0.00E+00
Dry-mix seasoning and blends	183	1%	6.62E-01	1.41E+00	6.64E-03	0.00E+00
Bakery cookies and pastry	7970	55%	5.88E-02	1.35E-01	3.38E-02	9.80E-02
Bakery reduced-fat cookies and pastry	468	3%	3.60E-01	8.34E-01	1.29E-02	0.00E+00
RTD sport nutrition beverages	1645	11%	7.18E-01	1.40E+00	9.31E-02	3.06E-01
RTD beverages	8890	62%	6.47E-02	1.33E-01	3.77E-02	1.04E-01
Reduced-sugar cereals (RTE) and cereal bars	8304	58%	1.80E-01	3.55E-01	1.07E-01	2.84E-01
Candies	5951	41%	6.39E-02	1.47E-01	2.70E-02	7.91E-02
Confectionary	4976	35%	5.74E-01	1.25E+00	2.17E-01	6.95E-01
Dairy and imitation dairy products	11020	76%	3.67E-01	8.82E-01	2.86E-01	7.74E-01
Infant food: cereal	2	0%	7.09E-02	7.35E-02	2.01E-05	0.00E+00
Infant food: bakery	3	0%	2.37E-03	1.97E-03	4.90E-07	0.00E+00
Powdered beverage mix	3395	24%	3.10E+00	6.56E+00	6.67E-01	2.31E+00

Food Category	Number of Users	Percent Users	EDI per User (g/kg/day)		EDI per Capita (g/kg/day)	
			Mean	90th Percentile	Mean	90th Percentile
Sauces, instant and prepared	6933	48%	9.19E-02	2.06E-01	4.42E-02	1.41E-01
Reduced-fat salad dressing, pourable and spoonable	5752	40%	1.36E-01	3.69E-01	5.36E-02	1.70E-01
Reduced-sugar snack-based fillings	3588	25%	1.87E-01	3.76E-01	4.98E-02	1.66E-01
Total	14335	99%	1.56E+00	3.59E+00	1.54E+00	3.58E+00
US Population, Ages 19+						
Reduced-fat mayonnaise, reduced-sugar ketchup/mustard, and other reduced-fat/sugar condiments	1318	4%	5.86E-03	1.24E-02	2.81E-04	0.00E+00
Dry-mix seasoning and blends	276	1%	5.64E-01	1.09E+00	4.39E-03	0.00E+00
Bakery cookies and pastry	14597	47%	3.40E-02	7.46E-02	1.63E-02	4.85E-02
Bakery reduced-fat cookies and pastry	870	3%	2.81E-01	7.29E-01	7.79E-03	0.00E+00
RTD sport nutrition beverages	2077	7%	5.28E-01	1.02E+00	3.64E-02	0.00E+00
RTD beverages	14381	46%	5.54E-02	1.18E-01	2.60E-02	7.90E-02
Reduced-sugar cereals (RTE) and cereal bars	11584	37%	1.10E-01	2.16E-01	4.51E-02	1.39E-01
Candies	9315	30%	3.18E-02	6.93E-02	1.03E-02	3.28E-02
Confectionary	10022	32%	3.39E-01	7.52E-01	1.16E-01	3.88E-01
Dairy and imitation dairy products	23805	77%	1.33E-01	3.34E-01	1.06E-01	2.91E-01
Infant food: cereal	3	0%	1.99E-02	2.09E-02	1.03E-06	0.00E+00
Infant food: bakery	2	0%	1.60E-02	1.67E-02	1.72E-07	0.00E+00

Food Category	Number of Users	Percent Users	EDI per User (g/kg/day)		EDI per Capita (g/kg/day)	
			Mean	90th Percentile	Mean	90th Percentile
Powdered beverage mix	8282	27%	2.41E+00	5.29E+00	5.52E-01	1.85E+00
Sauces, instant and prepared	15457	50%	4.98E-02	1.14E-01	2.53E-02	7.86E-02
Reduced-fat salad dressing, pourable and spoonable	15987	51%	9.67E-02	2.61E-01	5.39E-02	1.69E-01
Reduced-sugar snack-based fillings	7033	23%	1.11E-01	2.33E-01	2.64E-02	9.30E-02
Total	30681	99%	9.93E-01	2.43E+00	9.82E-01	2.41E+00

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APPENDIX A

**List of Food Codes and
Inferred Proportions**

Appendix A. List of food codes and inferred proportions

	NHANES biennials							Reduce-fat mayonnaise, reduced- sugar ketchup/mustard, and other reduced- fat/sugar condiments	Dry-mix seasoning and blends	Bakery cookies and pastry	Bakery reduced- fat cookies and pastry	RTD sport nutrition beverages	RTD beverages	Reduced- sugar cereals (RTE) and cereal bars	Candies	Confectionary	Dairy and imitation dairy products	Infant food: cereal	Infant food: bakery	Powdered beverage mix	Sauces, instant and prepared	Reduced-fat salad dressing, pourable and spoonable	Reduced-sugar snack-based fillings
11460400	Yogurt, frozen, chocolate, nonfat milk, with low-calorie sweetener	1	1	1	1	1	1	0															
11460410	Yogurt, frozen, flavors other than chocolate, nonfat milk, with low-calorie sweetener	0	0	0	0	0	0	1															
11460410	Yogurt, frozen, flavors other than chocolate, nonfat milk, with low-calorie sweetener	1	1	1	1	1	1	0															
11460420	Yogurt, frozen, NS as to flavor, whole milk	1	1	1	1	1	1	1															
11460430	Yogurt, frozen, chocolate, whole milk	1	1	1	1	1	1	1															
11460440	Yogurt, frozen, flavors other than chocolate, whole milk	0	0	0	0	0	0	1															
11460440	Yogurt, frozen, flavors other than chocolate, whole milk	1	1	1	1	1	1	0															
11461000	Yogurt, frozen, chocolate-coated	1	1	1	1	1	1	1															
11461100	Yogurt, frozen, carb-coated	1	1	1	1	1	1	0															
11461200	Yogurt, frozen, sandwich	1	1	1	1	1	1	1															
11461250	Yogurt, frozen, cone, chocolate	1	1	1	1	1	1	1															
11461260	Yogurt, frozen, cone, flavors other than chocolate	0	0	0	0	0	0	1															
11461260	Yogurt, frozen, cone, flavors other than chocolate	1	1	1	1	1	1	0															
11461270	Yogurt, frozen, cone, flavors other than chocolate, lowfat milk	0	0	0	0	0	0	1															
11461270	Yogurt, frozen, cone, flavors other than chocolate, lowfat milk	1	1	1	1	1	1	0															
11461280	Yogurt, frozen, cone, chocolate, lowfat milk	1	1	1	1	1	1	0															
11461280	Yogurt, frozen, cone, chocolate, lowfat milk	0	0	0	0	0	0	1															
11480010	Yogurt, whole milk, baby food	0	0	0	0	0	0	1															
11480010	Yogurt, whole milk, baby food	0	0	1	1	1	1	0															
11480020	Yogurt, whole milk, baby food, with fruit and multigrain cereal puree, NFS	0	0	0	0	0	0	1															
11480020	Yogurt, whole milk, baby food, with fruit and multigrain cereal puree, NFS	0	0	1	1	1	1	0															
11480030	Yogurt, whole milk, baby food, with fruit and multigrain cereal puree, plus iron	0	0	0	0	0	0	1															
11480030	Yogurt, whole milk, baby food, with fruit and multigrain cereal puree, plus iron	0	0	1	1	1	1	0															
11480040	Yogurt, whole milk, baby food, with fruit and multigrain cereal puree, plus DHA	0	0	0	0	0	0	1															
11480040	Yogurt, whole milk, baby food, with fruit and multigrain cereal puree, plus DHA	0	0	1	1	1	1	0															
11511000	Chocolate milk, NFS	0	0	0	0	0	0	1															
11511000	Milk, chocolate, NFS	1	1	1	1	1	1	0															
11511100	Chocolate milk, ready to drink, whole	0	0	0	0	0	0	1															
11511100	Milk, chocolate, whole milk-based	1	1	1	1	1	1	0															
11511200	Chocolate milk, ready to drink, reduced fat	0	0	0	0	0	0	1															
11511200	Chocolate milk, ready to drink, reduced fat (2%)	0	0	0	0	0	0	1															
11511200	Milk, chocolate, reduced fat milk-based, 2% (formerly "low fat")	1	1	1	1	1	1	0															
11511300	Chocolate milk, ready to drink, fat free	0	0	0	0	0	0	1															
11511300	Chocolate milk, ready to drink, fat free (dum)	0	0	0	0	0	0	1															
11511300	Milk, chocolate, skim milk-based	1	1	1	1	1	1	0															
11511400	Chocolate milk, ready to drink, low fat	0	0	0	0	0	0	1															
11511400	Chocolate milk, ready to drink, low fat (1%)	0	0	0	0	0	0	1															
11511400	Milk, chocolate, lowfat milk-based	0	1	1	1	1	1	0															
11511400	Milk, chocolate, lowfat milk-based	1	0	0	0	0	0	0															
11511550	Chocolate milk, ready to drink, reduced sugar, NS as to milk	0	0	0	0	0	0	1															
11511600	Chocolate milk, ready to drink, low fat (Nesquik)	0	0	0	0	0	0	1															
11511600	Nesquik, chocolate milk, ready to drink, low fat (1%)	0	0	0	0	0	0	1															
11511610	Chocolate milk, ready to drink, fat free (Nesquik)	0	0	0	0	0	0	1															
11511610	Nesquik, chocolate milk, ready to drink, fat free (skim)	0	0	0	0	0	0	1															
11511700	Chocolate milk, ready to drink, low fat, no sugar added (Nesquik)	0	0	0	0	0	0	1															
11511700	Nesquik, chocolate milk, ready to drink, low fat (1%), no sugar added	0	0	0	0	0	0	1															
11512000	Cocoa, hot chocolate, not from dry mix, made with whole milk	1	1	1	1	1	1	0															
11512010	Hot chocolate/Cocoa, ready to drink	0	0	0	0	0	0	1															
11512020	Hot chocolate/Cocoa, ready to drink, made with nonfat milk	0	0	0	0	0	0	1															
11512030	Hot chocolate/Cocoa, ready to drink, made with non-dairy milk	0	0	0	0	0	0	1															
11512030	Hot chocolate/Cocoa, ready to drink, made with non-dairy milk	0	0	0	0	0	0	1															
11512100	Hot chocolate/Cocoa, ready to drink, with whipped cream	0	0	0	0	0	0	1															
11512110	Hot chocolate/Cocoa, ready to drink, made with nonfat milk and whipped cream	0	0	0	0	0	0	1															

Appendix A. List of food codes and inferred proportions

		NHANES biennials							Reduced-fat mayonnaise, reduced- sugar ketchup/mustard, and other reduced- fat/sugar condiments	Dry-mix seasoning and blends	Bakery cookies and pastry	Bakery reduced- fat cookies and pastry	RTD sport nutrition beverages	RTD beverages	Reduced- sugar cereals (RTE) and cereal bars	Candies	Confectionery	Dairy and milk/infant dairy products	Infant food: cereal	Infant food: bakery	Powdered beverage mix	Sauces, instant and prepared	Reduced-fat salad dressing, pourable and spoonable	Reduced-sugar snack-based fillings
11512110	Hot chocolate/Cocoa, ready to drink, made with nonfat milk and whipped cream	0	0	0	0	0	0	1										1						
11512120	Hot chocolate/Cocoa, ready to drink, made with non-dairy milk and whipped cream	0	0	0	0	0	0	1	0									1						
11512120	Hot chocolate/Cocoa, ready to drink, made with non-dairy milk and whipped cream	0	0	0	0	0	0	0	1									1						
11512500	Hot chocolate, Puerto Rican style, made with whole milk	0	1	1	1	1	1	0	0									1						
11512500	Spanish-style hot chocolate drink, Puerto Rican style, made with milk	1	0	0	0	0	0	0	0									1						
11512510	Hot chocolate, Puerto Rican style, made with low fat milk	0	1	1	1	1	1	0	0									1						
11513000	Chocolate milk, made from dry mix, NS as to type of milk	0	0	0	0	0	0	1	1									1			1			
11513000	Cocoa and sugar mixture, milk added, NS as to type of milk	1	1	1	1	1	1	0	0									1						
11513100	Chocolate milk, made from dry mix with whole milk	0	0	0	0	0	0	1	1									1			1			
11513100	Cocoa and sugar mixture, whole milk added	1	1	1	1	1	1	0	0									1						
11513150	Chocolate milk, made from dry mix with reduced fat milk	0	0	0	0	0	0	0	1									1			1			
11513150	Chocolate milk, made from dry mix with reduced fat milk (2%)	0	0	0	0	0	0	1	0									1			1			
11513150	Cocoa and sugar mixture, reduced fat milk added	1	0	0	0	0	0	0	0									1						
11513150	Cocoa and sugar mixture, reduced fat milk added	0	1	1	1	1	1	0	0									1						
11513200	Chocolate milk, made from dry mix with low fat milk	0	0	0	0	0	0	0	1									1			1			
11513200	Chocolate milk, made from dry mix with low fat milk (1%)	0	0	0	0	0	0	1	0									1			1			
11513200	Cocoa and sugar mixture, low fat milk added	1	1	1	1	1	1	0	0									1						
11513300	Chocolate milk, made from dry mix with fat free milk	0	0	0	0	0	0	0	1									1			1			
11513300	Chocolate milk, made from dry mix with fat free milk (skim)	0	0	0	0	0	0	1	0									1			1			
11513300	Cocoa and sugar mixture, skim milk added	1	1	1	1	1	1	0	0									1						
11513310	Chocolate milk, made from dry mix with non-dairy milk	0	0	0	0	0	0	1	1									1						
11513350	Chocolate milk, made from reduced sugar mix, NS as to type of milk	0	0	0	0	0	0	1	0									1			1			
11513350	Chocolate milk, made from reduced sugar mix, NS as to type of milk	0	0	0	0	0	0	0	1									1						
11513350	Cocoa and sugar mixture, reduced sugar, milk added, NS as to type of milk	0	0	0	0	0	1	0	0									1						
11513355	Chocolate milk, made from reduced sugar mix with whole milk	0	0	0	0	0	0	1	1									1						
11513355	Cocoa and sugar mixture, reduced sugar, whole milk added	0	0	0	0	0	1	0	0									1						
11513360	Chocolate milk, made from reduced sugar mix with reduced fat milk (2%)	0	0	0	0	0	0	1	0									1						
11513360	Chocolate milk, made from reduced sugar mix with reduced fat milk	0	0	0	0	0	0	0	1									1						
11513360	Cocoa and sugar mixture, reduced sugar, reduced fat milk added	0	0	0	0	0	1	0	0									1						
11513365	Chocolate milk, made from reduced sugar mix with low fat milk (1%)	0	0	0	0	0	0	1	0									1						
11513365	Chocolate milk, made from reduced sugar mix with low fat milk	0	0	0	0	0	0	0	1									1						
11513365	Cocoa and sugar mixture, reduced sugar, low fat milk added	0	0	0	0	0	1	0	0									1						
11513370	Chocolate milk, made from reduced sugar mix with fat free milk (skim)	0	0	0	0	0	0	1	0									1						
11513370	Chocolate milk, made from reduced sugar mix with fat free milk	0	0	0	0	0	0	0	1									1						
11513370	Cocoa and sugar mixture, reduced sugar, skim milk added	0	0	0	0	0	1	0	0									1						
11513375	Chocolate milk, made from reduced sugar mix with non-dairy milk	0	0	0	0	0	0	1	0									1						
11513375	Chocolate milk, made from reduced sugar mix with non-dairy milk	0	0	0	0	0	0	0	1									1						
11513380	Chocolate milk, made from dry mix, NS as to type of milk (Nesquik)	0	0	0	0	0	0	0	1									1				1		
11513380	Nesquik, chocolate milk, made from dry mix, NS as to type of milk	0	0	0	0	0	0	1	0									1						
11513381	Chocolate milk, made from dry mix with whole milk (Nesquik)	0	0	0	0	0	0	1	1									1						
11513381	Nesquik, chocolate milk, made from dry mix with whole milk	0	0	0	0	0	0	1	0									1						
11513382	Chocolate milk, made from dry mix with reduced fat milk (Nesquik)	0	0	0	0	0	0	0	1									1						

Appendix A. List of food codes and inferred proportions

		NHANES biennials						Reduced-fat mayonnaise, reduced- sugar ketchup/mustard, and other reduced- fat/sugar condiments	Dry mix seasoning and blends	Bakery cookies and pastry	Bakery reduced- fat cookies and pastry	RTO sport nutrition beverages	RTD beverages	Reduced- sugar cereals (RTE) and cereal bars	Candies	Confectionary	Dairy and imitation dairy products	Infant food: cereal	Infant food: bakery	Powdered beverage mix	Sauces, instant and prepared	Reduced-fat salad dressing, pourable and spoonable	Reduced-sugar snack-based fillings
11513382	Nesquik, chocolate milk, made from dry mix with reduced fat milk (2%)	0	0	0	0	0	1	0								1			1				
11513383	Chocolate milk, made from dry mix with low fat milk (Nesquik)	0	0	0	0	0	0	1								1			1				
11513383	Nesquik, chocolate milk, made from dry mix with low fat milk (1%)	0	0	0	0	0	1	0								1			1				
11513384	Chocolate milk, made from dry mix with fat free milk (Nesquik)	0	0	0	0	0	0	1								1			1				
11513384	Nesquik, chocolate milk, made from dry mix with fat free milk (skim)	0	0	0	0	0	1	0								1			1				
11513385	Chocolate milk, made from dry mix with non dairy milk (Nesquik)	0	0	0	0	0	0	1								1			1				
11513385	Nesquik, chocolate milk, made from dry mix with non-dairy milk	0	0	0	0	0	1	0								1			1				
11513390	Chocolate milk, made from no sugar added dry mix, NS as to type of milk (Nesquik)	0	0	0	0	0	0	1								1			1				
11513390	Nesquik, chocolate milk, made from no sugar added dry mix, NS as to type of milk	0	0	0	0	0	1	0								1			1				
11513391	Chocolate milk, made from no sugar added dry mix with whole milk (Nesquik)	0	0	0	0	0	0	1								1			1				
11513391	Nesquik, chocolate milk, made from no sugar added dry mix with whole milk	0	0	0	0	0	1	0								1			1				
11513392	Chocolate milk, made from no sugar added dry mix with reduced fat milk (Nesquik)	0	0	0	0	0	0	1								1			1				
11513392	Nesquik, chocolate milk, made from no sugar added dry mix with reduced fat milk (2%)	0	0	0	0	0	1	0								1			1				
11513393	Chocolate milk, made from no sugar added dry mix with low fat milk (Nesquik)	0	0	0	0	0	0	1								1			1				
11513393	Nesquik, chocolate milk, made from no sugar added dry mix with low fat milk (1%)	0	0	0	0	0	1	0								1			1				
11513394	Chocolate milk, made from no sugar added dry mix with fat free milk (Nesquik)	0	0	0	0	0	0	1								1			1				
11513394	Nesquik, chocolate milk, made from no sugar added dry mix with fat free milk (skim)	0	0	0	0	0	1	0								1			1				
11513395	Chocolate milk, made from no sugar added dry mix with non dairy milk (Nesquik)	0	0	0	0	0	0	1								1			1				
11513395	Nesquik, chocolate milk, made from no sugar added dry mix with non-dairy milk	0	0	0	0	0	1	0								1			1				
11513400	Chocolate milk, made from syrup, NS as to type of milk	0	0	0	0	0	1	1								1			1				
11513400	Chocolate syrup, milk added, NS as to type of milk	1	0	0	0	0	0	0								1			1				
11513400	Chocolate syrup, milk added, NS as to type of milk	0	1	1	1	1	0	0								1			1				
11513500	Chocolate milk, made from syrup with whole milk	0	0	0	0	0	0	1								1			1				
11513500	Chocolate syrup, whole milk added	1	1	1	1	1	0	0								1			1				
11513550	Chocolate milk, made from syrup with reduced fat milk	0	0	0	0	0	0	1								1			1				
11513550	Chocolate milk, made from syrup with reduced fat milk (2%)	0	0	0	0	0	1	0								1			1				
11513550	Chocolate syrup, reduced fat milk added	1	1	1	1	1	0	0								1			1				
11513600	Chocolate milk, made from syrup with low fat milk	0	0	0	0	0	0	1								1			1				
11513600	Chocolate milk, made from syrup with low fat milk (1%)	0	0	0	0	0	0	1								1			1				
11513600	Chocolate syrup, low fat milk added	1	1	1	1	1	0	0								1			1				
11513700	Chocolate milk, made from syrup with fat free milk	0	0	0	0	0	0	1								1			1				
11513700	Chocolate milk, made from syrup with fat free milk (skim)	0	0	0	0	0	0	1								1			1				
11513700	Chocolate syrup, skim milk added	1	1	1	1	1	0	0								1			1				
11513750	Chocolate milk, made from syrup with non dairy milk	0	0	0	0	0	0	1								1			1				
11513800	Chocolate milk, made from light syrup, NS as to type of milk	0	0	0	0	0	1	1								1			1				
11513801	Chocolate milk, made from light syrup with whole milk	0	0	0	0	0	0	1								1			1				
11513802	Chocolate milk, made from light syrup with reduced fat milk	0	0	0	0	0	0	0								1			1				
11513802	Chocolate milk, made from light syrup with reduced fat milk (2%)	0	0	0	0	0	1	0								1			1				
11513803	Chocolate milk, made from light syrup with low fat milk	0	0	0	0	0	0	0								1			1				
11513803	Chocolate milk, made from light syrup with low fat milk (1%)	0	0	0	0	0	0	1								1			1				
11513804	Chocolate milk, made from light syrup with fat free milk (skim)	0	0	0	0	0	0	1								1			1				
11513804	Chocolate milk, made from light syrup with fat free milk (skim)	0	0	0	0	0	0	1								1			1				
11513805	Chocolate milk, made from light syrup with non-dairy milk	0	0	0	0	0	0	1								1			1				
11513850	Chocolate milk, made from sugar free syrup, NS as to type of milk	0	0	0	0	0	0	1								1			1				
11513850	Chocolate milk, made from sugar free syrup, NS as to type of milk	0	0	0	0	0	0	0								1			1				
11513851	Chocolate milk, made from sugar free syrup with whole milk	0	0	0	0	0	1	1								1			1				

Appendix A. List of food codes and inferred proportions

		MNHANES biennials					Reduced-fat mayonnaise, reduced- sugar ketchup/mustard, and other reduced- fat/sugar condiments	Dry-mix seasoning and blends	Bakery cookies and pastry	Bakery reduced- fat cookies and pastry	RTD sport nutrition beverages	RTD beverages	Reduced- sugar cereals (RTE) and cereal bars	Candies	Confectionary	Dairy and imitation dairy products	Infant food: cereal	Infant food: bakery	Powdered beverage mix	Sauces, instant and prepared	Reduced-fat salad dressing, poussable and spoonable	Reduced-sugar snack-based fillings
11513852	Chocolate milk, made from sugar free syrup with reduced fat milk (2M)	0	0	0	0	0	1	0							1							
11513852	Chocolate milk, made from sugar free syrup with reduced fat milk	0	0	0	0	0	0	1							1							
11513853	Chocolate milk, made from sugar free syrup with low fat milk	0	0	0	0	0	0	1							1							
11513853	Chocolate milk, made from sugar free syrup with low fat milk (1%)	0	0	0	0	0	0	1	0						1							
11513854	Chocolate milk, made from sugar free syrup with fat free milk (skim)	0	0	0	0	0	0	1	0						1							
11513854	Chocolate milk, made from sugar free syrup with fat free milk	0	0	0	0	0	0	0	1						1							
11513855	Chocolate milk, made from sugar free syrup with non-dairy milk	0	0	0	0	0	0	1	0						1							
11513855	Chocolate milk, made from sugar free syrup with non-dairy milk	0	0	0	0	0	0	0	1						1							
11514100	Cocoa, sugar, and dry milk mixture, water added	1	1	1	1	1	0	0							1							
11514100	Hot chocolate / Cocoa, made with dry mix and water	0	0	0	0	0	0	1	1						1				1			
11514110	Hot chocolate / Cocoa, made with dry mix and whole milk	0	0	0	0	0	0	1	1						1				1			
11514120	Hot chocolate / Cocoa, made with dry mix and reduced fat milk (2%)	0	0	0	0	0	0	1	0						1				1			
11514120	Hot chocolate / Cocoa, made with dry mix and reduced fat milk	0	0	0	0	0	0	0	1						1				1			
11514130	Hot chocolate / Cocoa, made with dry mix and low fat milk (1%)	0	0	0	0	0	0	1	0						1				1			
11514130	Hot chocolate / Cocoa, made with dry mix and low fat milk	0	0	0	0	0	0	0	1						1				1			
11514140	Hot chocolate / Cocoa, made with dry mix and fat free milk (skim)	0	0	0	0	0	0	1	0						1				1			
11514140	Hot chocolate / Cocoa, made with dry mix and fat free milk	0	0	0	0	0	0	0	1						1				1			
11514150	Hot chocolate / Cocoa, made with dry mix and non-dairy milk	0	0	0	0	0	0	1	1						1				1			
11514300	Cocoa with nonfat dry mix and low calorie sweetener, mixture, water added	1	1	1	1	1	0	0							1							
11514310	Hot chocolate / Cocoa, made with no sugar added dry mix and water	0	0	0	0	0	0	1	0						1				1			
11514310	Hot chocolate / Cocoa, made with no sugar added dry mix and water	0	0	0	0	0	0	0	1						1				1			
11514320	Hot chocolate / Cocoa, made with no sugar added dry mix and whole milk	0	0	0	0	0	0	1	0						1				1			
11514320	Hot chocolate / Cocoa, made with no sugar added dry mix and whole milk	0	0	0	0	0	0	0	1						1				1			
11514330	Hot chocolate / Cocoa, made with no sugar added dry mix and reduced fat milk (2%)	0	0	0	0	0	0	1	0						1				1			
11514330	Hot chocolate / Cocoa, made with no sugar added dry mix and reduced fat milk	0	0	0	0	0	0	0	1						1				1			
11514340	Hot chocolate / Cocoa, made with no sugar added dry mix and low fat milk (1%)	0	0	0	0	0	0	1	0						1				1			
11514340	Hot chocolate / Cocoa, made with no sugar added dry mix and low fat milk	0	0	0	0	0	0	0	1						1				1			
11514350	Hot chocolate / Cocoa, made with no sugar added dry mix and fat free milk (skim)	0	0	0	0	0	0	1	0						1				1			
11514350	Hot chocolate / Cocoa, made with no sugar added dry mix and fat free milk	0	0	0	0	0	0	0	1						1				1			
11514360	Hot chocolate / Cocoa, made with no sugar added dry mix and non-dairy milk	0	0	0	0	0	0	0	1						1				1			
11514360	Hot chocolate / Cocoa, made with no sugar added dry mix and non-dairy milk	0	0	0	0	0	0	0	1						1				1			
11514500	Cocoa, whey, and low calorie sweetener, mixture, fortified, water added	1	1	1	1	1	0	0							1							
11515100	Cocoa and sugar mixture fortified with vitamins and minerals, milk added, HS as to type of milk, Puerto Rican style	1	1	1	1	1	0	0							1							
11515400	Cocoa with nonfat dry mix and low calorie sweetener, high calcium, water added	1	1	1	1	0	0	0							1							
11516000	Cocoa, whey, and low calorie sweetener mixture, low fat milk added	1	1	1	1	1	0	0							1				1			
11518000	Milk beverage with nonfat dry milk and low calorie sweetener, water added, chocolate	1	1	1	1	0	0	0							1							
11518050	Milk beverage with nonfat dry milk and low calorie sweetener, water added, flavors other than chocolate	1	1	1	1	1	0	0							1							
11518100	Milk beverage with nonfat dry milk and low calorie sweetener, high calcium, water added, chocolate	1	1	1	1	0	0	0							1							

Appendix A. List of food codes and inferred proportions

	NHANES biennial						Reduced-fat mayonnaise, reduced- sugar ketchup/mustard, and other reduced- fat/sugar condiments	Dry-mix seasoning and blends	Bakery cookies and pastry	Bakery reduced- fat cookies and pastry	RTD sport nutrition beverages	RTD beverages	Reduced- sugar cereals (RTE) and cereals bars	Candies	Confectionary	Dairy and limitation dairy products	Infant food: cereal	Infant food: bakery	Powdered beverage mix	Sauces, instant and prepared	Reduced-fat salad dressings, pourable and spoonable	Reduced-sugar snack-based fillings	
11519000	Milk beverage, made with whole milk, flavors other than chocolate	1	1	1	1	1	0	0															1
11519040	Milk, flavors other than chocolate, NFS	0	0	1	1	1	0	0															1
11519040	Strawberry milk, NFS	0	0	0	0	0	1	1															1
11519050	Milk, flavors other than chocolate, whole milk-based	1	1	1	1	1	0	0															1
11519050	Strawberry milk, whole	0	0	0	0	0	1	1															1
11519105	Milk, flavors other than chocolate, reduced fat milk-based	0	0	1	1	1	0	0															1
11519105	Strawberry milk, reduced fat	0	0	0	0	0	0	0	1														1
11519105	Strawberry milk, reduced fat (2%)	0	0	0	0	0	0	1	0														1
11519200	Milk, flavors other than chocolate, lowfat milk-based	0	0	1	1	1	0	0															1
11519200	Strawberry milk, low fat	0	0	0	0	0	0	0	1														1
11519200	Strawberry milk, low fat (1%)	0	0	0	0	0	0	1	0														1
11519205	Milk, flavors other than chocolate, skm milk based	0	0	1	1	1	0	0															1
11519205	Strawberry milk, fat free	0	0	0	0	0	0	0	1														1
11519205	Strawberry milk, fat free (skin)	0	0	0	0	0	0	0	1														1
11519215	Strawberry milk, non-dairy	0	0	0	0	0	1	1															1
11520000	Milk, malted, unfortified, NS as to flavor, made with milk	1	1	1	1	1	0	0															1
11521000	Milk, malted, unfortified, chocolate, made with milk	1	1	1	1	1	0	0															1
11521010	Milk, malted, unfortified, chocolate, made with skim milk	1	0	0	0	0	0	0															1
11522000	Milk, malted, unfortified, natural flavor, made with milk	1	1	1	1	1	0	0															1
11525000	Milk, malted, natural flavor, made with milk	0	0	0	0	0	1	0															1
11525000	Milk, malted, fortified, natural flavor, made with milk	1	1	1	1	1	0	0															1
11526000	Milk, malted	0	0	0	0	0	0	1															1
11526000	Milk, malted, chocolate, made with milk	0	0	0	0	0	0	1	0														1
11526000	Milk, malted, fortified, chocolate, made with milk	1	1	1	1	1	0	0															1
11527000	Milk, malted, fortified, NS as to flavor, made with milk	1	1	1	1	1	0	0															1
11531000	Eggnog, made with whole milk	1	1	1	1	1	0	0															1
11531000	Eggnog, regular	0	0	0	0	0	1	1															1
11531500	Eggnog, lowfat/light	0	0	0	0	0	0	1	1														1
11531500	Eggnog, made with 2% reduced fat milk (formerly eggnog, made with "2% lowfat" milk)	1	1	1	1	1	0	0															1
11541000	Milk shake, NS as to flavor or type	1	1	1	1	1	0	0															1
11541100	Milk shake, homemade or fountain type, NS as to flavor	1	1	1	1	1	0	0															1
11541110	Milk shake, home recipe, chocolate	0	0	0	0	0	0	1	1														1
11541110	Milk shake, homemade or fountain type, chocolate	1	1	1	1	1	0	0															1
11541120	Milk shake, home recipe, flavors other than chocolate	0	0	0	0	0	0	1	1														1
11541120	Milk shake, homemade or fountain type, flavors other than chocolate	1	1	1	1	1	0	0															1
11541130	Milk shake, home recipe, chocolate, light	0	0	0	0	0	1	1															1
11541135	Milk shake, home recipe, flavors other than chocolate, light	0	0	0	0	0	0	1	1														1
11541400	Milk shake with malt	0	0	0	0	0	0	1															1
11541400	Milk shake with malt	1	1	1	1	1	0	0															1
11541500	Milk shake, made with skim milk, chocolate	1	1	1	1	1	0	0															1
11541510	Milk shake, made with skim milk, flavors other than chocolate	1	1	1	1	1	0	0															1
11542000	Carry-out milk shake, NS as to flavor	1	1	1	1	1	0	0															1
11542100	Carry-out milk shake, chocolate	1	1	1	1	1	0	0															1
11542100	Milk shake, fast food, chocolate	0	0	0	0	0	0	1	1														1
11542200	Carry-out milk shake, flavors other than chocolate	1	1	1	1	1	0	0															1
11542200	Milk shake, fast food, flavors other than chocolate	0	0	0	0	0	1	1															1
11543000	Milk shake, bottled, chocolate	0	0	0	0	0	1	1															1
11543010	Milk shake, bottled, flavors other than chocolate	0	0	0	0	0	0	1	1														1
11551050	Licardo / Balido (milk fruit drink)	0	0	0	0	0	0	1	0														1
11551050	Licardo or Balido	0	0	0	0	0	0	0	1														1
11551050	Milk fruit drink	1	1	1	1	1	0	0															1
11552200	Orange Julius	1	1	1	1	1	0	0															1
11553000	Fruit smoothie drink, made with fruit or fruit juice and dairy products	1	0	0	0	0	0	0			1												1
11553000	Fruit smoothie drink, made with fruit or fruit juice and dairy products	0	1	1	1	1	0	0			1												1
11553100	Fruit smoothie drink, NFS	1	1	1	1	1	0	0															1
11553100	Fruit smoothie, NFS	0	0	0	0	0	0	1	1														1
11553110	Fruit smoothie, with whole fruit and dairy	0	0	0	0	0	0	1	1														1
11553120	Fruit smoothie, with whole fruit and dairy, added protein	0	0	0	0	0	0	1	1														1
11553130	Fruit smoothie juice drink, with dairy	0	0	0	0	0	0	1	1			1											1
11560000	Chocolate-flavored drink, whey, and milk-based	1	1	1	1	1	0	0															1
11560000	Chocolate milk drink	0	0	0	0	0	0	1															1
11560000	Yoo-hoo, chocolate milk drink	0	0	0	0	0	0	1	0														1

Appendix A. List of food codes and inferred proportions

		NHANES biennial					Reduced-fat margarine, reduced- sugar ketchup/mustard, and other reduced- fat/sugar condiments	Dry-mix seasoning and blends	Bakery cookies and pastry	Bakery reduced- fat cookies and pastry	RTD sport nutrition beverages	RTD beverages	Reduced- sugar cereals (RTE) and cereal bars	Candies	Confectionary	Dairy and imitation dairy products	Infant food: cereal	Infant food: bakery	Powdered beverage mix	Sauces, instant and prepared	Reduced-fat salad dressing, pourable and spoonable	Reduced-sugar snack-based fillings
11560020	Flavored milk drink, whey- and milk-based, flavors other than chocolate	1	1	1	1	1	0	0							1							
11561000	Cafe con leche	0	1	1	1	1	0	0							1							
11562010	Cafe con leche prepared with sugar	1	1	1	1	1	0	0							1							
11611000	Instant breakfast, fluid, canned	1	1	1	1	1	0	0		1					1							
11612000	Instant breakfast, powder, milk added	1	1	1	1	1	0	0							1			1				
11613000	Instant breakfast, powder, sweetened with low-calorie sweetener, milk added	1	1	1	1	1	0	0							1			1				
11621000	Diet beverage, liquid, canned	1	0	0	0	0	0	0		1					1							
11622010	Diet beverage, powder, reconstituted with skim milk	1	1	1	1	1	0	0							1			1				
11623000	Meal supplement or replacement, commercially prepared, ready-to-drink	1	1	1	1	1	0	0		1					1			1				
11631000	High-calorie beverage, canned or powdered, reconstituted	1	1	1	1	1	0	0		1					1			1				
11641000	Meal supplement or replacement, milk based, high protein, liquid	1	1	1	1	1	0	0		1					1			1				
11642020	Meal replacement or supplement, milk based, ready-to-drink	0	1	1	1	1	0	0		1					1			1				
11651010	Meal replacement formula, Cambridge diet, reconstituted, all flavors	1	0	0	0	0	0	0		1					1			1				
11830100	Cocoa (or chocolate) with dry milk and sugar, dry mix, not reconstituted	1	1	1	1	1	0	0										1				
11830100	Hot chocolate/Cocoa, dry mix, not reconstituted	0	0	0	0	0	0	1										1				
11830110	Cocoa powder with nonfat dry milk and low-calorie sweetener, dry mix, not reconstituted	1	1	1	1	1	0	0										1				
11830115	Hot chocolate/Cocoa, dry mix, no sugar added, not reconstituted	0	0	0	0	0	1	0										1				
11830115	Hot chocolate/Cocoa, dry mix, no sugar added, not reconstituted	0	0	0	0	0	0	1										1				
11830120	Cocoa, whey, and low-calorie sweetener, fortified, dry mix, not reconstituted	1	1	1	1	1	0	0										1				
11830140	Chocolate, instant, dry mix, fortified with vitamins and minerals, not reconstituted, Puerto Rican style	1	1	1	1	1	0	0										1				
11830150	Cocoa powder, not reconstituted	0	0	0	0	0	0	1										1				
11830150	Cocoa powder, not reconstituted (no dry milk)	1	1	1	1	1	1	0										1				
11830160	Chocolate beverage powder, dry mix, not reconstituted	0	0	0	0	0	0	1										1				
11830160	Cocoa (or chocolate) flavored beverage powder with sugar, dry mix, not reconstituted	1	1	1	1	1	0	0										1				
11830165	Chocolate beverage powder, reduced sugar, dry mix, not reconstituted	0	0	0	0	0	1	1										1				
11830165	Cocoa (or chocolate) flavored beverage powder with reduced sugar, dry mix, not reconstituted	0	0	0	0	0	1	0										1				
11830170	Cocoa (or chocolate) flavored beverage powder with low-calorie sweetener, dry mix, not reconstituted	0	0	0	0	0	1	0										1				
11830170	Cocoa, whey, and low-calorie sweetener mixture, not reconstituted	1	1	1	1	1	0	0										1				
11830200	Milk, malted, dry mix, unfortified, not reconstituted, flavors other than chocolate	1	1	1	1	1	0	0										1				
11830210	Milk, malted, dry mix, fortified, not reconstituted, flavors other than chocolate	1	1	1	1	1	0	0										1				
11830250	Milk, malted, dry mix, unfortified, not reconstituted, chocolate	1	1	1	1	1	0	0										1				
11830260	Milk, malted, dry mix, not reconstituted	0	0	0	0	0	1	1										1				
11830260	Milk, malted, dry mix, fortified, not reconstituted, chocolate	1	1	1	1	1	0	0										1				
11830400	Milk beverage, powder, dry mix, not reconstituted, flavors other than chocolate	1	1	1	1	1	0	0										1				
11830400	Strawberry beverage powder, dry mix, not reconstituted	0	0	0	0	0	1	1										1				
11830450	Milk beverage with sugar, dry mix, and egg white powder, dry mix, not reconstituted	1	1	1	1	1	0	0										1				
11830500	Milk beverage, powder, with nonfat dry milk and low-calorie sweetener, dry mix, not reconstituted, chocolate	1	1	1	1	1	0	0										1				
11830550	Milk beverage, powder, with nonfat dry milk and low-calorie sweetener, dry mix, not reconstituted, flavors other than chocolate	1	1	1	1	1	0	0										1				
11830800	Instant breakfast, powder, not reconstituted	1	1	1	1	1	0	0										1				
11830810	Instant breakfast, powder, sweetened with low-calorie sweetener, not reconstituted	1	1	1	1	1	0	0										1				
11830850	High-calorie milk beverage, powder, not reconstituted	1	0	0	0	0	0	0										1				
11830900	Protein supplement, milk based, powdered, not reconstituted	1	1	1	1	1	0	0										1				
11830940	Meal replacement, high protein, milk based, fruit juice usable formula, powdered, not reconstituted	1	1	1	1	1	0	0										1				

Appendix A. List of food codes and Inferred proportions

		NHANES biennials					Reduced-fat mayonnaise, reduced- sugar ketchup/mustard, and other reduced- fat/sugar condiments	Dry-mix seasoning and blends	Bakery cookies and pastry	Bakery reduced- fat cookies and pastry	RTD sport nutrition beverages	RTD beverages	Reduced- sugar cereals (RTS) and cereal bars	Candies	Confectionary	Dairy and imitation dairy products	Infant food: cereal	Infant food: bakery	Powdered beverage mix	Sauces, Instant and prepared	Reduced-fat salad dressing, pourable and spoonable	Reduced-sugar snack-based fillings
11830970	Meal replacement, protein type, milk based, powdered, not reconstituted	1	1	1	1	0	0	0											1			
11830990	Nutrient supplement, milk-based, powdered, not reconstituted	1	1	1	1	0	0	0											1			
11831500	Nutrient supplement, milk based, high protein, powdered, not reconstituted	1	1	1	1	0	0	0											1			
11832000	Meal replacement, protein type, milk- and soy-based, powdered, not reconstituted	1	1	1	1	0	0	0											1			
11835000	Meal replacement or nutritional supplement, Cambridge diet formula, powdered, nonfat milk solids base, dry, not reconstituted	1	0	0	0	0	0	0											1			
11835100	Meal replacement, Amway's Nutrilite brand Posttrim Drink Max, powdered nonfat dry milk-based, dry, not reconstituted	1	0	0	0	0	0	0											1			
11835150	Dynatrim, meal replacement, powder	1	0	0	0	0	0	0											1			
11836000	Protein supplement, milk-based, Muscle Milk, powdered, not reconstituted	0	0	1	1	0	0	0											1			
11836100	Protein supplement, milk-based, Muscle Milk Light, powdered, not reconstituted	0	0	1	1	0	0	0											1			
12100100	Cream, NS as to light, heavy, or half and half	1	1	1	1	1	1	1	1	1	1	1			1							
12100200	Cream, NS as to light, heavy, or half and half	0	0	0	0	0	0	0	0	0	0	0			1							
12120100	Cream, half and half	1	1	1	1	1	1	1	1	1	1	1			1							
12120105	Cream, half and half, low fat	0	0	0	0	0	0	0	0	0	0	0			1							
12120105	Cream, half and half, low fat	0	0	1	1	1	1	1	1	1	1	1			1							
12120106	Cream, half and half, flavored	0	0	0	0	0	0	0	0	0	0	0			1							
12120110	Cream, half and half, fat free	1	1	1	1	1	1	1	1	1	1	1			1							
12120110	Cream, half and half, fat free	0	0	0	0	0	0	0	0	0	0	0			1							
12130200	Cream, heavy, whipped, untweetened	1	1	1	1	1	1	1	1	1	1	1			1							
12140000	Cream, heavy, whipped, sweetened	1	1	1	1	1	1	1	1	1	1	1			1							
12140000	Cream, whipped	0	0	0	0	0	0	0	0	0	0	0			1							
12140100	Cream, whipped, pressurized container	1	1	1	1	1	1	1	1	1	1	1			1							
12140105	Cream, whipped, pressurized container, light	0	1	1	1	1	1	1	1	1	1	1			1							
12140310	Whipped topping, dairy based, fat free, pressurized container	1	0	0	0	0	0	0	0	0	0	0			1							
12140310	Whipped topping, dairy based, fat free, pressurized container	0	1	1	1	1	1	1	1	1	1	1			1							
12200100	Coffee creamer, NIS	0	0	0	0	0	0	0	0	0	0	1			1							
12200100	Cream substitute, NS as to frozen, liquid, or powdered	1	1	1	1	1	1	1	1	1	1	1			1							
12210100	Cream substitute, frozen	1	1	1	1	1	1	1	1	1	1	1			1							
12210200	Coffee creamer, liquid	0	0	0	0	0	0	0	0	0	0	1			1							
12210200	Cream substitute, liquid	1	1	1	1	1	1	1	1	1	1	1			1							
12210210	Coffee creamer, liquid, flavored	0	0	0	0	0	0	0	0	0	0	1			1							
12210210	Cream substitute, flavored, liquid	0	1	1	1	1	1	1	1	1	1	1			1							
12210250	Cream substitute, light, liquid	1	1	1	1	1	1	1	1	1	1	1			1							
12210255	Cream substitute, light, flavored, liquid	0	0	1	1	1	1	1	1	1	1	0			1							
12210260	Coffee creamer, liquid, fat free	0	0	0	0	0	0	0	0	0	0	1			1							
12210260	Cream substitute, fat free, liquid	0	0	1	1	1	1	1	1	1	1	0			1							
12210270	Coffee creamer, liquid, fat free, flavored	0	0	0	0	0	0	0	0	0	0	1			1							
12210270	Cream substitute, fat free, flavored, liquid	0	0	1	1	1	1	1	1	1	1	0			1							
12210280	Coffee creamer, liquid, fat free, sugar free, flavored	0	0	0	0	0	0	0	0	0	0	1			1							
12210305	Cream substitute, liquid, sugar free, liquid	0	0	1	1	1	1	1	1	1	1	0			1							
12210310	Coffee creamer, liquid, sugar free, flavored	0	0	0	0	0	0	0	0	0	0	1			1							
12210310	Cream substitute, sugar free, flavored, liquid	0	0	1	1	1	1	1	1	1	1	0			1							
12210400	Coffee creamer, powder	0	0	0	0	0	0	0	0	0	0	1			1							
12210400	Cream substitute, powdered	1	1	1	1	1	1	1	1	1	1	0			1							
12210410	Cream substitute, light, powdered	1	1	1	1	1	1	1	1	1	1	0			1							
12210420	Coffee creamer, powder, flavored	0	0	0	0	0	0	0	0	0	0	1			1							
12210420	Cream substitute, flavored, powdered	0	1	1	1	1	1	1	1	1	1	0			1							
12210430	Coffee creamer, powder, fat free	0	0	0	0	0	0	0	0	0	0	1			1							
12210430	Cream substitute, fat free, powder	0	0	1	1	1	1	1	1	1	1	0			1							
12210440	Coffee creamer, powder, fat free, flavored	0	0	0	0	0	0	0	0	0	0	1			1							
12210440	Cream substitute, fat free, flavored, powder	0	0	1	1	1	1	1	1	1	1	0			1							
12210500	Cream substitute, sugar free, powder	0	0	1	1	1	1	1	1	1	1	0			1							
12210505	Coffee creamer, powder, sugar free, flavored	0	0	0	0	0	0	0	0	0	0	1			1							
12210505	Cream substitute, sugar free, flavored, powder	0	0	1	1	1	1	1	1	1	1	0			1							
12210520	Coffee creamer, soy, liquid	0	0	0	0	0	0	0	0	0	0	1			1							
12220000	Whipped topping, nondairy, NS as to canned, frozen, or made from powdered mix	1	1	1	1	1	1	1	1	1	1	0			1							
12220100	Whipped topping, nondairy, pressurized can	1	1	1	1	1	1	1	1	1	1	0			1							
12220200	Whipped topping	0	0	0	0	0	0	0	0	0	0	1			1							
12220200	Whipped topping, nondairy, frozen	1	1	1	1	1	1	1	1	1	1	0			1							
12220250	Whipped topping, nondairy, frozen, low fat	1	1	1	1	1	1	1	1	1	1	0			1							
12220270	Whipped topping, fat free	0	0	0	0	0	0	0	0	0	0	1			1							
12220270	Whipped topping, nondairy, frozen, fat free	0	0	1	1	1	1	1	1	1	1	0			1							

Appendix A. List of food codes and Inferred proportions

		MnANS blends						Reduced-fat mayonnaise, reduced-sugar ketchup/mustard, and other reduced-fat/sugar condiments	Oryzis seasoning and blends	Bakery cookies and pastry	Bakery reduced-fat cookies and pastry	RTD sport nutrition beverages	RTD beverages	Reduced-sugar cereals (RTE) and cereal bars	Candies	Confectionary	Dairy and imitation dairy products	Infant food: cereal	Infant food: bakery	Powdered beverage mix	Sauce, Instant and prepared	Reduced-fat salad dressing, pourable and spoonable	Reduced-sugar snack-based fillings
13120300	Ice cream bar, cake covered	1	1	1	1	1	0								1	1							
13120310	Ice cream bar, stick or nugget, with crunch coating	0	0	0	0	1	1								1	1							
13120400	Ice cream bar or stick with fruit	0	0	0	0	0	0								1	1							
13120500	Ice cream bar or stick with fruit	1	1	1	1	1	1								1	1							
13120500	Ice cream sandwich	1	1	1	1	1	1								1	1							
13120550	Ice cream cookie sandwich	0	0	0	0	0	0								1	1							
13120550	Ice cream cookie sandwich	1	1	1	1	1	1								1	1							
13120700	Ice cream cone with nuts, flavors other than chocolate	0	0	0	0	0	0								1	1							
13120700	Ice cream cone with nuts, flavors other than chocolate	1	1	1	1	1	1								1	1							
13120710	Ice cream cone, chocolate covered, with nuts, flavors other than chocolate	1	1	1	1	1	1								1	1							
13120710	Ice cream cone, chocolate covered, with nuts, flavors other than chocolate	0	0	0	0	0	0								1	1							
13120720	Ice cream cone, chocolate covered or dipped, flavors other than chocolate	1	1	1	1	1	1								1	1							
13120720	Ice cream cone, chocolate covered or dipped, flavors other than chocolate	0	0	0	0	0	0								1	1							
13120730	Ice cream cone, no topping, flavors other than chocolate	0	0	0	0	0	0								1	1							
13120730	Ice cream cone, no topping, flavors other than chocolate	1	1	1	1	1	1								1	1							
13120740	Ice cream cone, no topping, NSAs to flavor	1	1	1	1	1	1								1	1							
13120750	Ice cream cone with nuts, chocolate ice cream	0	0	0	0	0	0								1	1							
13120750	Ice cream cone with nuts, chocolate ice cream	1	1	1	1	1	1								1	1							
13120760	Ice cream cone, chocolate covered or dipped, chocolate ice cream	1	1	1	1	1	1								1	1							
13120760	Ice cream cone, chocolate covered or dipped, chocolate ice cream	0	0	0	0	0	0								1	1							
13120770	Ice cream cone, no topping, chocolate ice cream	1	1	1	1	1	1								1	1							
13120780	Ice cream cone, chocolate covered, with nuts, chocolate ice cream	1	1	1	1	1	1								1	1							
13120780	Ice cream cone, chocolate covered, with nuts, chocolate ice cream	0	0	0	0	0	0								1	1							
13120790	Ice cream sundae cone	0	0	0	0	0	0								1	1							
13120790	Ice cream sundae cone	1	1	1	1	1	1								1	1							
13120800	Ice cream soda, flavors other than chocolate	0	0	0	0	0	0								1	1							
13120800	Ice cream soda, flavors other than chocolate	1	1	1	1	1	1								1	1							
13120810	Ice cream soda, chocolate	1	1	1	1	1	1								1	1							
13121000	Ice cream sundae, NSAs to topping, with whipped cream	0	0	0	0	0	0								1	1							
13121000	Ice cream sundae, NSAs to topping, with whipped cream	1	1	1	1	1	1								1	1							
13121100	Ice cream sundae, fruit topping, with whipped cream	1	1	1	1	1	1								1	1							
13121100	Ice cream sundae, fruit topping, with whipped cream	0	0	0	0	0	0								1	1							
13121200	Ice cream sundae, prepackaged type, flavors other than chocolate	0	0	0	0	0	0								1	1							
13121200	Ice cream sundae, prepackaged type, flavors other than chocolate	1	1	1	1	1	1								1	1							
13121300	Ice cream sundae, chocolate or fudge topping, with whipped cream	0	0	0	0	0	0								1	1							
13121300	Ice cream sundae, chocolate or fudge topping, with whipped cream	1	1	1	1	1	1								1	1							
13121400	Ice cream sundae, not fruit or chocolate topping, with whipped cream	0	0	0	0	0	0								1	1							
13121400	Ice cream sundae, not fruit or chocolate topping, with whipped cream	1	1	1	1	1	1								1	1							
13121500	Ice cream sundae, fudge topping, with cake, with whipped cream	1	1	1	1	1	1								1	1							
13121500	Ice cream sundae, fudge topping, with cake, with whipped cream	0	0	0	0	0	0								1	1							
13122100	Ice cream pie, no crust	1	1	1	1	1	1								1	1							
13122500	Ice cream pie, with cookie crust, fudge topping, and whipped cream	0	0	0	0	0	0								1	1							
13122500	Ice cream pie, with cookie crust, fudge topping, and whipped cream	1	1	1	1	1	1								1	1							
13126000	Ice cream, fried	1	1	1	1	1	1								1	1							
13127000	Dippin' Dots, flash frozen ice cream snacks, flavors other than chocolate	0	0	0	0	0	0								1	1							
13127000	Dippin' Dots, flash frozen ice cream snacks, flavors other than chocolate	0	0	0	0	1	1								1	1							
13127010	Dippin' Dots, flash frozen ice cream snacks, chocolate	0	0	0	0	0	0								1	1							
13127010	Dippin' Dots, flash frozen ice cream snacks, chocolate	0	0	0	0	1	1								1	1							
13130100	Light ice cream, NSAs to flavor	0	0	0	0	0	0								1	1							
13130100	Light ice cream, NSAs to flavor (formerly ice milk)	1	1	1	1	1	1								1	1							
13130300	Light ice cream, flavors other than chocolate	0	0	0	0	0	0								1	1							

Appendix A. List of food codes and inferred proportions

			NHANES biennials					Reduced-fat mayonnaise, reduced- sugar ketchup/mustard, and other reduced- fat/sugar condiments	Dry-mix seasoning and blends	Bakery cookies and pastry	Bakery reduced- fat cookies and pastry	RTD sport nutrition beverages	RTD beverages	Reduced- sugar cereals/ (RTE) and cereal bars	Candies	Confectionary	Dairy and imitation dairy products	Infant food: cereal	Infant food: bakery	Powdered beverage mix	Sauces, instant and prepared	Reduced-fat salad dressing, pourable and spoonable	Reduced-sugar snack-based fillings
13130300	Light ice cream, flavors other than chocolate (formerly ice milk)	1	1	1	1	1	1	0															
13130310	Light ice cream, chocolate (formerly ice milk)	0	0	0	0	0	0	1															
13130320	Light ice cream, no sugar added, NS as to flavor	1	1	1	1	1	1	0															
13130330	Light ice cream, no sugar added, flavors other than chocolate	1	0	0	0	0	0	0															
13130330	Light ice cream, no sugar added, flavors other than chocolate	0	0	0	0	0	0	0															
13130330	Light ice cream, no sugar added, flavors other than chocolate	0	1	1	1	1	1	0															
13130340	Light ice cream, no sugar added, chocolate	1	0	0	0	0	0	0															
13130340	Light ice cream, no sugar added, chocolate	0	1	1	1	1	1	1															
13130590	Light ice cream, soft serve, NS as to flavor	0	0	0	0	0	0	0															
13130590	Light ice cream, soft serve, NS as to flavor (formerly ice milk)	1	1	1	1	1	1	1															
13130600	Light ice cream, soft serve, flavors other than chocolate	0	0	0	0	0	0	0															
13130600	Light ice cream, soft serve, flavors other than chocolate (formerly ice milk)	1	1	1	1	1	1	0															
13130610	Light ice cream, soft serve, chocolate	0	0	0	0	0	0	0															
13130610	Light ice cream, soft serve, chocolate (formerly ice milk)	1	1	1	1	1	1	1															
13130620	Light ice cream, soft serve cone, flavors other than chocolate	0	0	0	0	0	0	0															
13130620	Light ice cream, soft serve cone, flavors other than chocolate (formerly ice milk)	1	1	1	1	1	1	1															
13130630	Light ice cream, soft serve cone, chocolate	0	0	0	0	0	0	0															
13130630	Light ice cream, soft serve cone, chocolate (formerly ice milk)	1	1	1	1	1	1	0															
13130640	Light ice cream, soft serve cone, NS as to flavor	0	0	0	0	0	0	0															
13130640	Light ice cream, soft serve cone, NS as to flavor (formerly ice milk)	1	1	1	1	1	1	0															
13130700	Light ice cream, soft serve, blended with candy or cookies	0	1	1	1	1	1	0															
13130700	Light ice cream, soft serve, blended with candy or cookies	0	0	0	0	0	0	1															
13135000	Ice cream sandwich, made with light ice cream, flavors other than chocolate	0	1	1	1	1	1	0															
13135000	Ice cream sandwich, made with light ice cream, flavors other than chocolate	0	0	0	0	0	0	1															
13135000	Light ice cream, sandwich (formerly ice milk)	1	0	0	0	0	0	0															
13135010	Ice cream sandwich, made with light chocolate ice cream	0	1	1	1	1	1	0															
13135010	Ice cream sandwich, made with light chocolate ice cream	0	0	0	0	0	0	1															
13136000	Ice cream sandwich, made with light, no sugar added ice cream	0	1	1	1	1	1	0															
13136000	Ice cream sandwich, made with light, no sugar added ice cream	0	0	0	0	0	0	1															
13140100	Light ice cream, bar or stick, chocolate coated	0	0	0	0	0	0	0															
13140100	Light ice cream, bar or stick, chocolate coated (formerly ice milk)	1	1	1	1	1	1	0															
13140110	Light ice cream, bar or stick, chocolate covered, with nuts	0	0	0	0	0	0	1															
13140110	Light ice cream, bar or stick, chocolate covered, with nuts (formerly ice milk)	1	1	1	1	1	1	0															
13140450	Light ice cream, cone, NFS	0	0	0	0	0	0	0															
13140450	Light ice cream, cone, NFS (formerly ice milk)	1	1	1	1	1	1	0															
13140500	Light ice cream, cone, flavors other than chocolate	0	0	0	0	0	0	0															
13140500	Light ice cream, cone, flavors other than chocolate (formerly ice milk)	1	1	1	1	1	1	0															
13140550	Light ice cream, cone, chocolate	0	0	0	0	0	0	0															
13140550	Light ice cream, cone, chocolate (formerly ice milk)	1	1	1	1	1	1	0															
13140570	Light ice cream, no sugar added, cone, NS as to flavor	0	0	0	0	0	0	0															
13140575	Light ice cream, no sugar added, cone, flavors other than chocolate	0	0	0	0	0	0	0															
13140575	Light ice cream, no sugar added, cone, flavors other than chocolate	0	0	0	0	0	1	0															
13140580	Light ice cream, no sugar added, cone, chocolate	0	0	0	0	0	1	1															
13140600	Light ice cream, sundae, soft serve, chocolate or fudge topping, with whipped cream	0	0	0	0	0	0	0															
13140600	Light ice cream, sundae, soft serve, chocolate or fudge topping, with whipped cream	1	1	1	1	1	1	0															
13140630	Light ice cream, sundae, soft serve, fruit topping, with whipped cream	0	0	0	0	0	0	0															

Appendix A. List of food codes and Inferred proportions

		NHANES biennials					Reduced-fat mayonnaise, reduced- sugar ketchup/mustard, and other reduced- fat/sugar condiments	Dry-mix seasoning and blends	Bakery cookies and pastry	Bakery reduced- fat cookies and pastry	RTD sport nutrition beverages	RTD beverages	Reduced- sugar cereals (RTG) and cereal bars	Candies	Confectionary	Dairy and imitation dairy products	Infant food: cereal	Infant food: bakery	Powdered beverage mix	Sauces, instant and prepared	Reduced-fat salad dressing, pourable and spoonable	Reduced-sugar snack-based fillings
13140630	Light ice cream, sundae, soft serve, fruit topping, with whipped cream (formerly ice milk)	1	1	1	1	1	1	0							1							
13140650	Light ice cream, sundae, soft serve, no fruit or chocolate topping, with whipped cream	0	0	0	0	0	0	1							1							
13140650	Light ice cream, sundae, soft serve, no fruit or chocolate topping, with whipped cream (formerly ice milk)	1	1	1	1	1	1	0							1							
13140660	Light ice cream, sundae, soft serve, chocolate or fudge topping, without whipped cream	0	0	0	0	0	0	1							1							
13140660	Light ice cream, sundae, soft serve, chocolate or fudge Topping (without whipped cream) (formerly ice milk)	1	1	1	1	1	1	0							1							
13140670	Light ice cream, sundae, soft serve, fruit topping, without whipped cream	0	0	0	0	0	0	1							1							
13140670	Light ice cream, sundae, soft serve, fruit topping (without whipped cream) (formerly ice milk)	1	1	1	1	1	1	0							1							
13140680	Light ice cream, sundae, soft serve, no fruit or chocolate topping, without whipped cream	0	0	0	0	0	0	1							1							
13140680	Light ice cream, sundae, soft serve, no fruit or chocolate topping (without whipped cream) (formerly ice milk)	1	1	1	1	1	1	0							1							
13140700	Light ice cream, creamicle or dreamicle (formerly ice milk)	0	0	0	0	0	0	1							1							
13140700	Light ice cream, creamicle or dreamicle (formerly ice milk)	1	1	1	1	1	1	0							1							
13140710	Light ice cream, creamicle or dreamicle, no sugar added	0	0	0	0	0	1	1							1							
13140900	Light ice cream, fudgeicle	0	0	0	0	0	0	1							1							
13140900	Light ice cream, fudgeicle (formerly ice milk)	1	1	1	1	1	1	0							1							
13142000	Milk dessert bar or stick, frozen, with coconut	0	0	0	0	0	0	1							1							
13142000	Milk dessert bar or stick, frozen, with coconut	1	1	1	1	1	1	0							1							
13150000	Sherbet, all flavors	1	1	1	1	1	1	1							1							
13160150	Fat free ice cream, no sugar added, chocolate	1	1	1	1	1	1	0							1							
13160150	Fat free ice cream, no sugar added, chocolate	0	0	0	0	0	0	1							1							
13160160	Fat free ice cream, no sugar added, flavors other than chocolate	1	1	1	1	1	1	0							1							
13160160	Fat free ice cream, no sugar added, flavors other than chocolate	0	0	0	0	0	0	1							1							
13160400	Fat free ice cream, flavors other than chocolate	1	1	1	1	1	1	0							1							
13160400	Fat free ice cream, flavors other than chocolate	0	0	0	0	0	0	1							1							
13160410	Fat free ice cream, chocolate	1	1	1	1	1	1	0							1							
13160410	Fat free ice cream, chocolate	0	0	0	0	0	0	1							1							
13160420	Fat free ice cream, NS as to flavor	1	1	1	1	1	1	0							1							
13161000	Milk dessert bar, frozen, made from lowfat milk	1	1	1	1	1	1	1							1							
13161500	Milk dessert sandwich bar, frozen, made from lowfat milk	1	1	1	1	1	1	1							1							
13161500	Milk dessert sandwich bar, frozen, made from lowfat milk	0	0	0	0	0	0	1							1							
13161520	Milk dessert sandwich bar, frozen, with low-calorie sweetener, made from lowfat milk	0	0	0	0	0	0	1							1							
13161520	Milk dessert sandwich bar, frozen, with low-calorie sweetener, made from lowfat milk	1	1	1	1	1	1	0							1							
13161600	Milk dessert bar, frozen, made from lowfat milk and low-calorie sweetener	1	1	1	1	1	1	0							1							
13161600	Milk dessert bar, frozen, made from lowfat milk and low-calorie sweetener	0	0	0	0	0	0	1							1							
13161630	Light ice cream, bar or stick, with low-calorie sweetener, chocolate-coated	0	0	0	0	0	0	1							1							
13161630	Light ice cream, bar or stick, with low-calorie sweetener, chocolate-coated (formerly ice milk)	1	1	1	1	1	1	0							1							
13170000	Baked Alaska	1	1	1	1	1	1	1							1							
13200110	Pudding, NFS	1	1	1	1	1	1	1							1							
13210130	Pudding, bread	0	0	0	0	0	0	1							1							
13210130	Pudding, bread	1	1	1	1	1	1	0							1							
13210150	Bread pudding made with evaporated milk and rum	0	0	0	0	0	0	1							1							
13210150	Puerto Rican bread pudding made with evaporated milk and rum (Budin de pan)	1	1	1	1	1	1	0							1							
13210150	Puerto Rican bread pudding made with evaporated milk	0	0	0	0	0	0	1							1							
13210160	Diplomat pudding, Puerto Rican style (Budin Diplomatico)	1	1	1	1	1	1	0							1							
13210160	Diplomat pudding, Puerto Rican style	0	0	0	0	0	0	1							1							
13210180	Pudding, Mexican bread	0	0	0	0	0	0	1							1							
13210180	Pudding, Mexican bread (Capitotada)	1	1	1	1	1	1	0							1							
13210190	Pudding, Mexican bread (Capitotada), lower fat	1	1	1	1	1	1	0							1							
13210190	Pudding, Mexican bread, low fat	0	0	0	0	0	0	1							1							
13210220	Pudding, chocolate, NS as to from dry mix or ready-to-eat	0	0	0	0	0	0	1							1							

Appendix A. List of food codes and Inferred proportions

		NHANES biomarkers					Reduced-fat mayonnaise, reduced- sugar ketchup/mustard, and other reduced- fat/sugar condiments	Dry-mix seasoning and blends	Bakery cookies and pastry	Bakery reduced- fat cookies and pastry	RTD sport nutrition beverages	RTD beverages	Reduced- sugar cereals (RTE) and cereal bars	Candies	Confectionary	Dairy and imitation dairy products	Infant food: cereal	Infant food: bakery	Powdered beverage mix	Sauces, instant and prepared	Reduced-fat salad dressing, pourable and spoonable	Reduced-sugar snack-based fillings
13210220	Pudding, chocolate, NS as to from dry mix or ready-to-eat	0	0	0	1	1	1	0						1								
13210220	Pudding, chocolate, ready-to-eat, NS as to from dry mix or canned	1	1	1	0	0	0	0						1								
13210250	Pudding, chocolate, low calorie, containing artificial sweetener, NS as to from dry mix or ready-to-eat	0	0	0	1	1	1	0						1								
13210250	Pudding, chocolate, ready-to-eat, low calorie, containing artificial sweetener, NS as to from dry mix or canned	1	1	1	0	0	0	0						1								
13210250	Pudding, chocolate, low calorie, containing artificial sweetener, NS as to from dry mix or ready-to-eat	0	0	0	0	0	0	0						1								
13210260	Rice flour cream, Puerto Rican style (Majarete, manjar blanco)	1	0	0	0	0	0	0						1								
13210260	Rice flour cream, Puerto Rican style (manjar blanco)	0	1	1	1	1	1	0						1								
13210260	Rice flour cream, Puerto Rican style	0	0	0	0	0	0	0						1								
13210270	Custard, Puerto Rican style (Mazena, Mallilla)	0	1	1	1	1	1	0						1								
13210270	Custard, Puerto Rican style	0	0	0	0	0	0	0						1								
13210270	Spanish custard, Puerto Rican style (Molillo Espanol)	1	0	0	0	0	0	0						1								
13210280	Pudding, flavors other than chocolate, NS as to from dry mix or ready-to-eat	0	0	0	0	0	0	0						1								
13210280	Pudding, flavors other than chocolate, NS as to from dry mix or ready-to-eat	0	0	0	1	1	1	0						1								
13210280	Pudding, flavors other than chocolate, ready-to-eat, NS as to from dry mix or canned	1	1	1	0	0	0	0						1								
13210290	Pudding, flavors other than chocolate, low calorie, containing artificial sweetener, NS as to from dry mix or ready-to-eat	0	0	0	0	0	0	0						1								
13210290	Pudding, flavors other than chocolate, low calorie, containing artificial sweetener, NS as to from dry mix or ready-to-eat	0	0	0	1	1	1	0						1								
13210290	Pudding, flavors other than chocolate, ready-to-eat, low calorie, containing artificial sweetener, NS as to from dry mix or canned	1	1	1	0	0	0	0						1								
13210300	Custard	1	1	1	1	1	1	1						1								
13210350	Custard, Puerto Rican style (flan)	1	0	0	0	0	0	0						1								
13210350	Flan	0	1	1	1	1	1	1						1								
13210410	Pudding, rice	1	1	1	1	1	1	1						1								
13210450	Pudding, rice flour, and nuts	0	0	0	0	0	0	0						1								
13210450	Pudding, rice flour, with nuts (Indian dessert)	1	1	1	1	1	1	1						1								
13210500	Pudding, tapioca, made from home recipe, made with milk	0	0	0	0	0	0	0						1								
13210500	Pudding, tapioca, made from home recipe, made with milk	1	1	1	1	1	1	1						1								
13210520	Pudding, tapioca, made from dry mix, made with milk	0	0	0	0	0	0	0						1								
13210520	Pudding, tapioca, made from dry mix, made with milk	1	1	1	1	1	1	1						1								
13210530	Pudding, tapioca, chocolate, made with milk	0	0	0	0	0	0	0						1								
13210530	Pudding, tapioca, chocolate, made with milk	1	1	1	1	1	1	1						1								
13210610	Pudding, coconut	1	1	1	1	1	1	1						1								
13210710	Pudding, cornmeal, milk, and molasses	0	0	0	0	0	0	0						1								
13210710	Pudding, Indian (milk, molasses and cornmeal-based pudding)	1	1	1	1	1	1	1						1								
13210750	Pudding, pumpkin	1	1	1	1	1	1	1						1								
13210810	Puerto Rican pumpkin pudding (flan de calabaza)	1	1	1	1	1	1	1						1								
13210820	Pumpkin pudding, Puerto Rican style	0	0	0	0	0	0	0						1								
13210820	Fresh corn custard, Puerto Rican style	0	0	0	0	0	0	0						1								
13210820	Fresh corn custard, Puerto Rican style (Mazamorra, Mando Nuevo)	1	1	1	1	1	1	1						1								
13220110	Pudding, flavors other than chocolate, prepared from dry mix, milk added	0	0	0	0	0	0	0						1								
13220110	Pudding, flavors other than chocolate, prepared from dry mix, milk added	1	1	1	1	1	1	1						1								
13220120	Pudding, chocolate, prepared from dry mix, milk added	0	0	0	0	0	0	0						1								
13220120	Pudding, chocolate, prepared from dry mix, milk added	1	1	1	1	1	1	1						1								
13220210	Pudding, flavors other than chocolate, prepared from dry mix, low calorie, containing artificial sweetener, milk added	0	0	0	0	0	0	0						1								
13220210	Pudding, flavors other than chocolate, prepared from dry mix, low calorie, containing artificial sweetener, milk added	1	1	1	1	1	1	1						1								
13220220	Pudding, chocolate, prepared from dry mix, low calorie, containing artificial sweetener, milk added	0	0	0	0	0	0	0						1								
13220220	Pudding, chocolate, prepared from dry mix, low calorie, containing artificial sweetener, milk added	1	1	1	1	1	1	1						1								
13220230	Pudding, canned, chocolate, reduced fat	1	1	1	0	0	0	0						1								
13220230	Pudding, ready-to-eat, chocolate, reduced fat	0	0	0	0	0	0	0						1								

Appendix A. List of food codes and inferred proportions

		NHANES biennials						Reduced-fat mayonnaise, reduced- sugar ketchup/mustard, and other reduced- fat/sugar condiments	Dry-mix seasoning and blends	Bakery cookies and pastry	Bakery reduced- fat cookies and pastry	RTD sport nutrition beverages	RTD beverages	Reduced- sugar cereals (RTE) and cereal bars	Candies	Confectionary	Dairy and imitation dairy products	Infant food: cereal	Infant food: bakery	Powdered beverage mix	Sauces, instant and prepared	Reduced-fat salad dressing, pourable and spoonable	Reduced-sugar snack-based fillings
13220230	Pudding, ready-to-eat, chocolate, reduced fat	0	0	0	1	1	1	0															
13220235	Pudding, canned, chocolate, fat free	1	1	1	0	0	0	0															
13220235	Pudding, ready-to-eat, chocolate, fat free	0	0	0	0	0	0	0															
13220235	Pudding, ready-to-eat, chocolate, fat free	0	0	0	0	1	1	1															
13220240	Pudding, canned, flavors other than chocolate, reduced fat	1	1	1	0	0	0	0															
13220240	Pudding, ready-to-eat, flavors other than chocolate, reduced fat	0	0	0	0	0	0	0															
13220240	Pudding, ready-to-eat, flavors other than chocolate, reduced fat	0	0	0	1	1	1	0															
13220245	Pudding, canned, flavors other than chocolate, fat free	1	1	1	0	0	0	0															
13220245	Pudding, ready-to-eat, flavors other than chocolate, fat free	0	0	0	0	0	0	0															
13220245	Pudding, ready-to-eat, flavors other than chocolate, fat free	0	0	0	1	1	1	0															
13230110	Pudding, canned, flavors other than chocolate	1	1	1	0	0	0	0															
13230110	Pudding, ready-to-eat, flavors other than chocolate	0	0	0	0	0	0	0															
13230110	Pudding, ready-to-eat, flavors other than chocolate	0	0	0	1	1	1	0															
13230120	Pudding, ready-to-eat, low calorie, containing artificial sweetener, flavors other than chocolate	0	0	0	0	0	0	0															
13230120	Pudding, ready-to-eat, low calorie, containing artificial sweetener, flavors other than chocolate	0	0	0	1	1	1	0															
13230120	Pudding, canned, low calorie, containing artificial sweetener, flavors other than chocolate	1	1	1	0	0	0	0															
13230130	Pudding, canned, chocolate	1	1	1	0	0	0	0															
13230130	Pudding, ready-to-eat, chocolate	0	0	0	0	0	0	0															
13230130	Pudding, ready-to-eat, chocolate	0	0	0	1	1	1	0															
13230140	Pudding, canned, low calorie, containing artificial sweetener, chocolate	1	1	1	0	0	0	0															
13230140	Pudding, ready-to-eat, low calorie, containing artificial sweetener, chocolate	0	0	0	0	0	0	0															
13230140	Pudding, ready-to-eat, low calorie, containing artificial sweetener, chocolate	0	0	0	1	1	1	0															
13230200	Pudding, canned, chocolate and non-chocolate flavors combined	1	1	1	0	0	0	0															
13230200	Pudding, ready-to-eat, chocolate and non-chocolate flavors combined	0	0	0	0	0	0	0															
13230200	Pudding, ready-to-eat, chocolate and non-chocolate flavors combined	0	0	0	1	1	1	0															
13230500	Pudding, canned, tapioca	1	1	1	0	0	0	0															
13230500	Pudding, ready-to-eat, tapioca	0	0	0	1	1	1	1															
13230510	Pudding, canned, tapioca, fat free	1	1	1	0	0	0	0															
13230510	Pudding, ready-to-eat, tapioca, fat free	0	0	0	1	1	1	1															
13241000	Pudding, with fruit and vanilla wafers	1	1	1	1	1	1	1															
13241000	Pudding, with fruit and vanilla wafers	0	0	0	0	0	0	0															
13250000	Mousse, chocolate	1	1	1	1	1	1	1															
13250100	Mousse, not chocolate	1	1	1	1	1	1	1															
13250200	Mousse, chocolate, lowfat, reduced calorie, prepared from dry mix, water added	0	0	0	0	0	0	0															
13250200	Mousse, chocolate, lowfat, reduced calorie, prepared from dry mix, water added	1	1	1	1	1	1	0															
13251000	Chantilly Cream	1	1	1	1	0	0	0															
13252100	Coconut custard, Puerto Rican style (flan de coco)	1	1	1	1	1	1	0															
13252100	Coconut custard, Puerto Rican style	0	0	0	0	0	0	0															
13252200	Milk dessert or milk candy, Puerto Rican style (Dulce de leche)	1	1	1	1	1	1	0															
13252200	Milk dessert or milk candy, Puerto Rican style	0	0	0	0	0	0	0															
13252500	Barfi or Burfi, Indian dessert, made from milk and/or cream and/or Ricotta cheese	0	0	0	0	0	0	0															
13252500	Barfi or Burfi, Indian dessert, made from milk and/or cream and/or Ricotta cheese	1	1	1	1	1	1	0															
13252600	Tiramisu	1	1	1	1	1	1	1															
13310000	Custard pudding, flavor other than chocolate, baby food, NS as to strained or junior	0	0	0	0	0	0	0															
13310000	Custard pudding, flavor other than chocolate, baby food, NS as to strained or junior	1	1	1	1	1	1	0															
13311000	Custard pudding, baby food, flavor other than chocolate, strained	0	0	0	0	0	0	0															
13311000	Custard pudding, baby food, flavor other than chocolate, strained	1	1	1	1	1	1	0															
13312000	Custard pudding, baby food, flavor other than chocolate, junior	0	0	0	0	0	0	0															
13312000	Custard pudding, baby food, flavor other than chocolate, junior	1	1	1	1	1	1	0															
13411000	White sauce, milk sauce	1	1	1	1	1	1	1															
13412000	Milk gravy, quick gravy	1	1	1	1	1	1	1															

Appendix A. List of food codes and inferred proportions

NHANES biennials			Reduced-fat mayonnaise, reduced- sugar ketchup/mustard, and other reduced- fat/sugar condiments	Dry-mix seasoning and blends	Bakery cookies and pastry	Bakery reduced- fat cookies and pastry	RTD sport nutrition beverages	RTD beverages	Reduced- sugar cereals (RTE) and cereal bars	Candies	Confectionary	Dairy and imitation dairy products	Infant food: cereal	Infant food: bakery	Powdered beverage mix	Sauces, instant and prepared	Reduced-fat salad dressings, pourable and spoonable	Reduced-sugar snack-based fillings
27120150	Pork or ham with soy-based sauce (mixture)	1	1	1	1	1	1	1	0									
27120150	Pork or ham with soy-based sauce	0	0	0	0	0	0	0	1							0.541854458		
27120250	Frankfurters or hot dogs with tomato-based sauce	0	0	0	0	0	0	0	1							0.541854458		
27120250	Frankfurters or hot dogs with tomato-based sauce (mixture)	1	1	1	1	1	1	1	0							0.302788845		
27130010	Lamb or mutton with gravy	0	0	0	0	0	0	0	1									
27130010	Lamb or mutton with gravy (mixture)	1	1	1	1	1	1	1	0							0.303482587		
27130040	Spaghetti sauce with lamb or mutton, homemade style	1	1	1	1	1	1	1	0							0.303482587		
27130040	Spaghetti sauce with lamb or mutton, homemade	0	0	0	0	0	0	0	1							0.819875716		
27135010	Veal with gravy (mixture)	1	1	1	1	1	1	1	0							0.303482587		
27135010	Veal with gravy	0	0	0	0	0	0	0	1							0.303482587		
27135030	Veal with cream sauce (mixture)	1	1	1	1	1	1	1	0							0.30362117		
27135030	Veal with cream sauce	0	0	0	0	0	0	0	1							0.30362117		
27135040	Veal with butter sauce (mixture)	1	1	1	1	1	1	1	0							0.3009364		
27135040	Veal with butter sauce	0	0	0	0	0	0	0	1							0.303066507		
27136050	Venison or deer with tomato-based sauce	0	0	0	0	0	0	0	1							0.303482587		
27136050	Venison or deer with tomato-based sauce (mixture)	1	1	1	1	1	1	1	0							0.303066507		
27136080	Venison or deer with gravy	0	0	0	0	0	0	0	1							0.303482587		
27136080	Venison or deer with gravy (mixture)	1	1	1	1	1	1	1	0							0.303482587		
27141030	Spaghetti sauce with poultry, homemade style	1	1	1	1	1	1	1	0							0.8125		
27141030	Spaghetti sauce with poultry	0	0	0	0	0	0	0	1							0.8125		
27141030	Spaghetti sauce with poultry, homemade	0	0	0	0	0	0	0	1							0.8125		
27141035	Spaghetti sauce with poultry and added vegetables	0	0	0	0	0	0	0	1							0.8125		
27141050	Stewed chicken with tomato-based sauce, Mexican style (mixture) (also guisado con tomate)	1	1	1	1	1	1	1	0							0.611546447		
27141050	Stewed chicken with tomato-based sauce, Mexican style	0	0	0	0	0	0	0	1							0.611546447		
27142000	Chicken with gravy (mixture)	1	1	1	1	1	1	1	0							0.303066507		
27142000	Chicken with gravy	0	0	0	0	0	0	0	1							0.303066507		
27142200	Turkey with gravy (mixture)	1	1	1	1	1	1	1	0							0.303066507		
27142200	Turkey with gravy	0	0	0	0	0	0	0	1							0.303066507		
27143000	Chicken or turkey with cream sauce (mixture)	1	1	1	1	1	1	1	0							0.303135889		
27143000	Chicken or turkey with cream sauce	0	0	0	0	0	0	0	1							0.303135889		
27144000	Chicken or turkey with mushroom sauce	0	0	0	0	0	0	0	1							0.302510961		
27145000	Chicken or turkey teriyaki (chicken or turkey with soy-based sauce)	1	1	1	1	1	1	1	0							0.1		
27146000	Chicken or turkey with barbecue sauce, skin eaten	0	1	1	1	1	1	1	0							0.3		
27146000	Chicken or turkey with barbecue sauce (mixture), skin eaten	1	0	0	0	0	0	0	0							0.3		
27146010	Chicken or turkey with barbecue sauce (mixture), skin not eaten	1	0	0	0	0	0	0	0							0.22343022		
27146010	Chicken or turkey with barbecue sauce, skin not eaten	0	1	1	1	1	1	1	0							0.22343022		
27146011	Chicken, shredded or pulled, with barbecue sauce	0	0	0	0	0	0	0	1							0.3		
27146050	Chicken wing with hot pepper sauce	1	1	1	1	1	1	1	0							0.163901792		
27146160	Chicken with mole sauce	0	0	1	1	1	1	1	1							0.302788845		
27146200	Chicken or turkey with cheese sauce	0	0	0	0	0	0	0	1							0.302510961		
27146200	Chicken or turkey with cheese sauce (mixture)	1	1	1	1	1	1	1	0							0.302510961		
27150010	Fish with cream or white sauce, not tuna or lobster (mixture)	1	1	1	1	1	1	1	0							0.303482587		
27150010	Fish with cream or white sauce, not tuna or lobster	0	0	0	0	0	0	0	1							0.303482587		
27150070	Lobster with butter sauce (mixture)	1	1	1	1	1	1	1	0							0.131198197		
27150070	Lobster with butter sauce	0	0	0	0	0	0	0	1							0.131198197		
27150110	Shrimp cocktail (shrimp with cocktail sauce)	1	1	1	1	1	1	1	0							0.529100529		
27150120	Tuna with cream or white sauce (mixture)	1	1	1	1	1	1	1	0							0.301397206		
27150120	Tuna with cream or white sauce	0	0	0	0	0	0	0	1							0.301397206		
27150140	Clam sauce, white	1	1	1	1	1	1	1	1							1		
27150151	Spaghetti sauce with seafood	0	0	0	0	0	0	0	0							0.8125		
27150155	Spaghetti sauce with seafood and added vegetables	0	0	0	0	0	0	0	1							0.8125		
27150160	Shrimp with lobster sauce (mixture)	1	1	1	1	1	1	1	0							0.41321849		
27150160	Shrimp with lobster sauce	0	0	0	0	0	0	0	1							0.41321849		
27150190	Lobster sauce	0	0	0	0	0	0	0	1							0.827970517		
27150190	Lobster sauce (broth-based)	1	1	1	1	1	1	1	0							0.827970517		
27150200	Oyster sauce	0	0	0	0	0	0	0	1							1		
27150200	Oyster sauce (white sauce-based)	1	1	1	1	1	1	1	0							1		
27150210	Fish sauce	0	0	0	0	0	0	0	1							1		
27150210	Fish sauce (baguona)	1	1	1	1	1	1	1	0							1		
27150250	Fish moochim (Korean style), dried fish with soy sauce	1	1	1	1	1	1	1	0							0.433159567		
27150310	Fish with tomato-based sauce (mixture)	1	1	1	1	1	1	1	0							0.302788845		
27150310	Fish with tomato-based sauce	0	0	0	0	0	0	0	1							0.302788845		
27150330	Mussels with tomato-based sauce (mixture)	1	1	1	1	1	1	1	0							0.2		
27150330	Mussels with tomato-based sauce	0	0	0	0	0	0	0	1							0.2		
27150350	Sardines with tomato-based sauce (mixture)	1	1	1	1	1	1	1	0							1		
27150350	Sardines with tomato-based sauce	0	0	0	0	0	0	0	1							1		
27150370	Sardines with mustard sauce (mixture)	1	1	1	1	1	1	1	0							1		
27150370	Sardines with mustard sauce	0	0	0	0	0	0	0	1							1		

Appendix A. List of food codes and inferred proportions

NHANES biennials			Reduced-fat mayonnaise, reduced- sugar ketchup/mustard, and other reduced- fat/sugar condiments	Dry-mix seasoning and blends	Bakery cookies and pastry	Bakery reduced- fat cookies and pastry	RTD sport nutrition beverages	RTD beverages	Reduced- sugar cereals (RTE) and cereal bars	Candies	Confectionary	Dairy and imitation dairy products	Infant food: cereal	Infant food: bakery	Powdered beverage mix	Sauces, instant and prepared	Reduced-fat salad dressing, pourable and spoonable	Reduced-sugar snack-based fillings
27220120	Sausage and rice with tomato-based sauce	0	0	0	0	0	0	0	1							0.362745095		
27220150	Sausage and rice with mushroom sauce	0	0	0	0	0	0	0	1							0.383301708		
27220170	Sausage and rice with cheese sauce (mixture)	1	1	1	1	1	1	1	0							0.46013289		
27220170	Sausage and rice with cheese sauce	0	0	0	0	0	0	0	1							0.46013289		
27220190	Sausage and noodles with cream or white sauce (mixture)	1	1	1	1	1	1	1	0							0.139492754		
27220190	Sausage and noodles with cream or white sauce	0	0	0	0	0	0	0	1							0.139492754		
27220510	Ham or pork and potatoes with gravy	0	0	0	0	0	0	0	1							0.377631091		
27220510	Ham or pork and potatoes with gravy (mixture)	1	1	1	1	1	1	1	0							0.377631091		
27220520	Ham or pork and potatoes with cheese sauce	0	0	0	0	0	0	0	1							0.411231884		
27220520	Ham or pork and potatoes with cheese sauce (mixture)	1	1	1	1	1	1	1	0							0.411231884		
27221150	Mexican style pork stew, with potatoes, tomato-based sauce (mixture) (cerdo guisado con papa)	1	1	1	1	1	1	1	0							0.389159255		
27221150	Pork stew, with potatoes, tomato-based sauce, Mexican style	0	0	0	0	0	0	0	1							0.389159255		
27231000	Lamb or mutton and potatoes with gravy (mixture)	1	1	1	1	1	1	1	0							0.332648871		
27231000	Lamb or mutton and potatoes with gravy	0	0	0	0	0	0	0	1							0.332648871		
27232000	Lamb or mutton and potatoes with tomato-based sauce (mixture)	1	1	1	1	1	1	1	0							0.33551421		
27232000	Lamb or mutton and potatoes with tomato-based sauce	0	0	0	0	0	0	0	1							0.33551421		
27233000	Lamb or mutton and noodles with gravy (mixture)	1	1	1	1	1	1	1	0							0.318658281		
27233000	Lamb or mutton and noodles with gravy	0	0	0	0	0	0	0	1							0.318658281		
27235750	Veal and noodles with cream or white sauce (mixture)	1	1	1	1	1	1	1	0							0.417144907		
27235750	Veal and noodles with cream or white sauce	0	0	0	0	0	0	0	1							0.417144907		
27236000	Venison or deer and noodles with cream or white sauce	0	0	0	0	0	0	0	1							0.417144907		
27236000	Venison/deer and noodles with cream or white sauce (mixture)	1	1	1	1	1	1	1	0							0.417144907		
27241010	Chicken or turkey and potatoes with gravy (mixture)	1	1	1	1	1	1	1	0							0.454442129		
27241010	Chicken or turkey and potatoes with gravy	0	0	0	0	0	0	0	1							0.454442129		
27242200	Chicken or turkey and noodles with gravy (mixture)	1	1	1	1	1	1	1	0							0.336057201		
27242200	Chicken or turkey and noodles with gravy	0	0	0	0	0	0	0	1							0.336057201		
27242500	Chicken or turkey and noodles with mushroom sauce	0	0	0	0	0	0	0	1							0.392239364		
27242500	Chicken or turkey and noodles with cream or white sauce (mixture)	1	1	1	1	1	1	1	0							0.386792453		
27242500	Chicken or turkey and noodles with cream or white sauce	0	0	0	0	0	0	0	1							0.386792453		
27242310	Chicken or turkey and noodles with cheese sauce (mixture)	1	1	1	1	1	1	1	0							0.411231884		
27242310	Chicken or turkey and noodles with cheese sauce	0	0	0	0	0	0	0	1							0.411231884		
27242400	Chicken or turkey and noodles, tomato-based sauce (mixture)	1	1	1	1	1	1	1	0							0.338893409		
27242400	Chicken or turkey and noodles with tomato-based sauce	0	0	0	0	0	0	0	1							0.338893409		
27242500	Chicken or turkey and noodles with soy-based sauce	0	0	0	0	0	0	0	1							0.43804262		
27242500	Chicken or turkey and noodles with soy-based sauce (mixture)	0	0	1	1	1	1	1	0							0.43804262		
27243300	Chicken or turkey and rice with cream sauce (mixture)	1	1	1	1	1	1	1	0							0.608921592		
27243300	Chicken or turkey and rice with cream sauce	0	0	0	0	0	0	0	1							0.608921592		
27243400	Chicken or turkey and rice with mushroom sauce	0	0	0	0	0	0	0	1							0.426200565		
27243500	Chicken or turkey and rice with tomato-based sauce (mixture)	1	1	1	1	1	1	1	0							0.383301708		
27243500	Chicken or turkey and rice with tomato-based sauce	0	0	0	0	0	0	0	1							0.383301708		
27243600	Chicken or turkey and rice with soy-based sauce (mixture)	1	1	1	1	1	1	1	0							0.446797879		
27243600	Chicken or turkey and rice with soy-based sauce	0	0	0	0	0	0	0	1							0.446797879		
27243700	Chicken in cheese sauce with Spanish rice	0	0	0	0	0	0	0	1							0.245024022		
27243700	Chicken in cheese sauce with Spanish rice	1	1	1	1	1	1	1	0							0.245024022		
27246505	Meat loaf made with chicken or turkey, with tomato-based sauce	0	0	0	0	0	0	0	1							0.488624852		
27246505	Meat loaf made with chicken or turkey, with tomato-based sauce	0	0	1	1	1	1	1	0							0.488624852		
27250110	Scallops and noodles with cheese sauce (mixture)	1	1	1	1	1	1	1	0							0.381894256		
27250110	Scallops and noodles with cheese sauce	0	0	0	0	0	0	0	1							0.381894256		
27250122	Shrimp and noodles with gravy	0	0	0	0	0	0	0	1							0.369544132		
27250122	Shrimp and noodles with gravy (mixture)	0	0	1	1	1	1	1	0							0.369544132		
27250124	Shrimp and noodles with mushroom sauce	0	0	0	0	0	0	0	1							0.393939394		
27250126	Shrimp and noodles with cream or white sauce	0	0	0	0	0	0	0	1							0.355478433		
27250126	Shrimp and noodles with cream or white sauce (mixture)	0	0	1	1	1	1	1	0							0.355478433		
27250128	Shrimp and noodles with soy-based sauce	0	0	0	0	0	0	0	1							0.435263504		
27250128	Shrimp and noodles with soy-based sauce (mixture)	0	0	1	1	1	1	1	0							0.435263504		
27250130	Shrimp and noodles with cheese sauce (mixture)	1	1	1	1	1	1	1	0							0.425287356		
27250130	Shrimp and noodles with cheese sauce	0	0	0	0	0	0	0	1							0.425287356		
27250132	Shrimp and noodles with tomato sauce	0	0	0	0	0	0	0	1							0.340101523		
27250132	Shrimp and noodles with tomato sauce (mixture)	0	0	1	1	1	1	1	0							0.340101523		
27250610	Tuna noodle casserole with cream or white sauce	1	1	1	1	1	1	1	0							0.360993745		

Appendix A. List of food codes and inferred proportions

		NHANES biennials						Reduced-fat mayonnaise, reduced-sugar ketchup/mustard, and other reduced-fat/sugar condiments	Oryx mix seasoning and blends	Bakery cookies and pastry	Bakery reduced-fat cookies and pastry	RTD sport nutrition beverages	RTD beverages	Reduced-sugar cereals (RTE) and cereal bars	Candies	Confectionary	Dairy and imitation dairy products	Infant food: cereal	Infant food: bakery	Powdered beverage mix	Sauces, instant and prepared	Reduced-fat salad dressing, pourable and spoonable	Reduced-sugar snack-based fillings
27250610	Tuna noodle casserole with cream or white sauce	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27250630	Tuna noodle casserole with mushroom sauce	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.360937745	0	0	
27250710	Tuna and rice with mushroom sauce	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.38830482	0	0	
27250810	Fish and rice with tomato-based sauce	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.428320141	0	0	
27250810	Fish and rice with tomato-based sauce	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.349088724	0	0	
27250820	Fish and rice with cream sauce	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.422530206	0	0	
27250820	Fish and rice with cream sauce	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.422530206	0	0	
27250830	Fish and rice with mushroom sauce	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.40086439	0	0	
27250900	Fish and noodles with mushroom sauce	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.395292585	0	0	
27250950	Shellfish mixture and noodles, tomato-based sauce (mixture)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.340168511	0	0	
27250950	Shellfish and noodles with tomato-based sauce	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.340168511	0	0	
27260050	Meatballs, with breading, NS as to type of meat, with gravy	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.585795001	0	0	
27260050	Meatballs, with breading, FS as to type of meat, with gravy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.585795001	0	0	
27260100	Meat loaf made with beef and pork, with tomato-based sauce	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.485206124	0	0	
27260100	Meat loaf made with beef and pork, with tomato-based sauce	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.485206124	0	0	
27311310	Beef stew with potatoes and vegetables (including carrots, broccoli, and/or dark-green leafy, tomato-based sauce)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.281825488	0	0	
27311310	Beef stew with potatoes and vegetables (including carrots, broccoli, and/or dark-green leafy, tomato-based sauce)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.281825488	0	0	
27311320	Beef stew with potatoes and vegetables (excluding carrots, broccoli, and dark-green leafy, tomato-based sauce)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.524587489	0	0	
27311320	Beef stew with potatoes and vegetables (excluding carrots, broccoli, and dark-green leafy, tomato-based sauce)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.524587489	0	0	
27311410	Beef stew with potatoes and vegetables (including carrots, broccoli, and/or dark-green leafy, gravy)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.556818556	0	0	
27311410	Beef stew with potatoes and vegetables (including carrots, broccoli, and/or dark-green leafy, gravy)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.556818556	0	0	
27311420	Beef stew with potatoes and vegetables (excluding carrots, broccoli, and dark-green leafy, gravy)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.510697661	0	0	
27311420	Beef stew with potatoes and vegetables (excluding carrots, broccoli, and dark-green leafy, gravy)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.510697661	0	0	
27311510	Shepherd's pie with beef	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	
27311510	Shepherd's pie with beef	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
27311600	Beef, potatoes, and vegetables (including carrots, broccoli, and/or dark-green leafy, gravy (mixture))	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.465284631	0	0	
27311600	Beef, potatoes, and vegetables (including carrots, broccoli, and/or dark-green leafy, gravy)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.465284631	0	0	
27311605	Beef, potatoes, and vegetables (excluding carrots, broccoli, and dark-green leafy, gravy (mixture))	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.461028192	0	0	
27311605	Beef, potatoes, and vegetables (excluding carrots, broccoli, and dark-green leafy, gravy)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.461028192	0	0	
27311610	Beef, potatoes, and vegetables (including carrots, broccoli, and/or dark-green leafy, cream sauce, white sauce, or mushroom soup-based sauce (mixture))	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.503437739	0	0	
27311610	Beef, potatoes, and vegetables (including carrots, broccoli, and/or dark-green leafy, cream sauce, white sauce, or mushroom soup-based sauce)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.503437739	0	0	
27311620	Beef, potatoes, and vegetables (excluding carrots, broccoli, and dark-green leafy, cream sauce, white sauce, or mushroom soup-based sauce (mixture))	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.501533742	0	0	
27311620	Beef, potatoes, and vegetables (excluding carrots, broccoli, and dark-green leafy, cream sauce, white sauce, or mushroom soup-based sauce)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.501533742	0	0	
27311625	Beef, potatoes, and vegetables (including carrots, broccoli, and/or dark-green leafy, tomato-based sauce (mixture))	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.467100443	0	0	
27311625	Beef, potatoes, and vegetables (including carrots, broccoli, and/or dark-green leafy, tomato-based sauce)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.467100443	0	0	
27311630	Beef, potatoes, and vegetables (excluding carrots, broccoli, and dark-green leafy, tomato-based sauce (mixture))	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.465108624	0	0	
27311630	Beef, potatoes, and vegetables (excluding carrots, broccoli, and dark-green leafy, tomato-based sauce)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.465108624	0	0	
27311635	Beef, potatoes, and vegetables (including carrots, broccoli, and/or dark-green leafy, cheese sauce (mixture))	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.436936937	0	0	

Appendix A. List of food codes and inferred proportions

		KMANES biennials						Reduced-fat mayonnaise, reduced- sugar ketchup/mustard, and other reduced- fat/sugar condiments	Dry mix seasoning and blends	Bakery cookies and pastry	Bakery reduced- fat cookies and pastry	RTD sport nutrition beverages	RTD beverages	Reduced- sugar cereals (RTE) and cereal bars	Candies	Confectionary	Dairy and imitation dairy products	Infant food: cereal	Infant food: bakery	Powdered beverage mix	Sauces, instant and prepared	Reduced-fat salad dressing, pourable and spoonable	Reduced-sugar snack-based fillings
27311635	Beef, potatoes, and vegetables including carrots, broccoli, and/or dark green leafy; cheese sauce	0	0	0	0	0	0	0	1												0.436936937		
27311640	Beef, potatoes, and vegetables (excluding carrots, broccoli, and dark green leafy), cheese sauce (mixture)	0	0	1	1	1	1	1	0													0.437034471	
27311640	Beef, potatoes, and vegetables excluding carrots, broccoli, and dark green leafy; cheese sauce	0	0	0	0	0	0	0	1													0.437034471	
27311645	Beef, potatoes, and vegetables (including carrots, broccoli, and/or dark green leafy), soy-based sauce (mixture)	0	0	1	1	1	1	1	0													0.578572723	
27311645	Beef, potatoes, and vegetables including carrots, broccoli, and/or dark green leafy; soy-based sauce	0	0	0	0	0	0	0	1													0.578572723	
27311650	Beef, potatoes, and vegetables (excluding carrots, broccoli, and dark green leafy), soy-based sauce (mixture)	0	0	1	1	1	1	1	0													0.577649927	
27311650	Beef, potatoes, and vegetables excluding carrots, broccoli, and dark green leafy; soy-based sauce	0	0	0	0	0	0	0	1													0.577649927	
27313150	Beef, noodles, and vegetables (including carrots, broccoli, and/or dark green leafy), soy-based sauce (mixture)	1	1	1	1	1	1	1	0													0.580222819	
27313150	Beef, noodles, and vegetables including carrots, broccoli, and/or dark green leafy; soy-based sauce	0	0	0	0	0	0	0	1													0.580222819	
27313160	Beef, noodles, and vegetables (excluding carrots, broccoli, and dark green leafy), soy-based sauce (mixture)	1	1	1	1	1	1	1	0													0.566157604	
27313160	Beef, noodles, and vegetables excluding carrots, broccoli, and dark green leafy; soy-based sauce	0	0	0	0	0	0	0	1													0.566157604	
27313210	Beef, noodles, and vegetables (including carrots, broccoli, and/or dark green leafy), tomato-based sauce (mixture)	1	1	1	1	1	1	1	0													0.452151779	
27313210	Beef, noodles, and vegetables including carrots, broccoli, and/or dark green leafy; tomato-based sauce	0	0	0	0	0	0	0	1													0.452151779	
27313220	Beef, noodles, and vegetables (excluding carrots, broccoli, and dark green leafy), tomato-based sauce (mixture)	1	1	1	1	1	1	1	0													0.452170249	
27313220	Beef, noodles, and vegetables excluding carrots, broccoli, and dark green leafy; tomato-based sauce	0	0	0	0	0	0	0	1													0.452170249	
27313310	Beef, noodles, and vegetables including carrots, broccoli, and/or dark green leafy; mushroom sauce	0	0	0	0	0	0	0	1													0.49033881	
27313320	Beef, noodles, and vegetables excluding carrots, broccoli, and dark green leafy; mushroom sauce	0	0	0	0	0	0	0	1													0.488993711	
27313410	Beef, noodles, and vegetables (including carrots, broccoli, and/or dark green leafy), gravy (mixture)	1	1	1	1	1	1	1	0													0.254366627	
27313410	Beef, noodles, and vegetables including carrots, broccoli, and/or dark green leafy; gravy	0	0	0	0	0	0	0	1													0.254366627	
27313420	Beef, noodles, and vegetables (excluding carrots, broccoli, and dark green leafy), gravy (mixture)	1	1	1	1	1	1	1	0													0.254323499	
27313420	Beef, noodles, and vegetables excluding carrots, broccoli, and dark green leafy; gravy	0	0	0	0	0	0	0	1													0.254323499	
27315210	Beef, rice, and vegetables (including carrots, broccoli, and/or dark green leafy), tomato-based sauce (mixture)	1	1	1	1	1	1	1	0													0.25	
27315210	Beef, rice, and vegetables including carrots, broccoli, and/or dark green leafy; tomato-based sauce	0	0	0	0	0	0	0	1													0.25	
27315220	Beef, rice, and vegetables (excluding carrots, broccoli, and/or dark green leafy), tomato-based sauce (mixture)	1	1	1	1	1	1	1	0													0.251046025	
27315220	Beef, rice, and vegetables excluding carrots, broccoli, and/or dark green leafy; tomato-based sauce	0	0	0	0	0	0	0	1													0.251046025	
27315310	Beef, rice, and vegetables including carrots, broccoli, and/or dark green leafy; mushroom sauce	0	0	0	0	0	0	0	1													0.31152648	
27315320	Beef, rice, and vegetables excluding carrots, broccoli, and dark green leafy; mushroom sauce	0	0	0	0	0	0	0	1													0.31152648	
27315330	Beef, rice, and vegetables (including carrots, broccoli, and/or dark green leafy), cheese sauce (mixture)	0	0	1	1	1	1	1	0													0.25987526	
27315330	Beef, rice, and vegetables including carrots, broccoli, and/or dark green leafy; cheese sauce	0	0	0	0	0	0	0	1													0.25987526	
27315340	Beef, rice, and vegetables (excluding carrots, broccoli, and dark green leafy), cheese sauce (mixture)	0	0	1	1	1	1	1	0													0.25974026	
27315340	Beef, rice, and vegetables excluding carrots, broccoli, and dark green leafy; cheese sauce	0	0	0	0	0	0	0	1													0.25974026	
27315410	Beef, rice, and vegetables (including carrots, broccoli, and/or dark green leafy), gravy (mixture)	1	1	1	1	1	1	1	0													0.251973795	
27315410	Beef, rice, and vegetables including carrots, broccoli, and/or dark green leafy; gravy	0	0	0	0	0	0	0	1													0.251973795	
27315420	Beef, rice, and vegetables (excluding carrots, broccoli, and dark green leafy), gravy (mixture)	1	1	1	1	1	1	1	0													0.251889169	
27315420	Beef, rice, and vegetables excluding carrots, broccoli, and dark green leafy; gravy	0	0	0	0	0	0	0	1													0.251889169	

Appendix A. List of food codes and Inferred proportions

			NRWAS biennials							Reduced-fat mayonnaise, reduced-sugar ketchup/mustard, and other reduced-fat/sugar condiments	Dry-mix seasoning and blends	Bakery cookies and pastry	Bakery reduced-fat cookies and pastry	RTD sport nutrition beverages	RTD beverages	Reduced-sugar cereals (RTD) and cereal bars	Candies	Confectionary	Dairy and imitation dairy products	Infant food: cereal	Infant food: bakery	Powdered beverage mix	Sauces, Instant and prepared	Reduced-fat salad dressing, pourable and spoonable	Reduced-sugar snack-based fillings
27315510	Beef, rice, and vegetables (including carrots, broccoli, and/or dark green leafy), soy-based sauce (mixture)	1	1	1	1	1	1	1	0																
27315510	Beef, rice, and vegetables (including carrots, broccoli, and/or dark green leafy), soy-based sauce	0	0	0	0	0	0	0	1													0.332054218			
27315520	Beef, rice, and vegetables (excluding carrots, broccoli, and dark green leafy), soy-based sauce (mixture)	1	1	1	1	1	1	1	0													0.332054218			
27315520	Beef, rice, and vegetables (excluding carrots, broccoli, and dark green leafy), soy-based sauce	0	0	0	0	0	0	0	1													0.343229664			
27317010	Beef pot pie	0	0	0	0	0	0	0	1													0.343229664			
27317010	Beef pot pie	1	1	1	1	1	1	1	0																
27317100	Beef, dumplings, and vegetables (including carrots, broccoli, and/or dark green leafy), gravy (mixture)	1	1	1	1	1	1	1	0		1	1													
27317100	Beef, dumplings, and vegetables (including carrots, broccoli, and/or dark green leafy), gravy	0	0	0	0	0	0	0	1													0.253699789			
27317110	Beef, dumplings, and vegetables (excluding carrots, broccoli, and dark green leafy), gravy (mixture)	1	1	1	1	1	1	1	0													0.253699789			
27317130	Beef, dumplings, and vegetables (excluding carrots, broccoli, and dark green leafy), gravy	0	0	0	0	0	0	0	1													0.254237288			
27320020	Ham pot pie	1	1	1	1	1	1	1	1													0.254237288			
27320017	Ham or pork, noodles, and vegetables (including carrots, broccoli, and/or dark green leafy), no sauce	0	0	0	0	0	0	0	1		1	1													
27320017	Ham or pork, noodles, and vegetables (including carrots, broccoli, and/or dark green leafy), no sauce (mixture)	0	0	0	0	0	0	1	0													1			
27320030	Ham or pork, noodles and vegetables (excluding carrots, broccoli, and dark green leafy), cheese sauce	0	0	0	0	0	0	0	1																
27320030	Ham or pork, noodles and vegetables (excluding carrots, broccoli, and dark green leafy), cheese sauce (mixture)	1	1	1	1	1	1	1	0													0.25987526			
27320070	Ham or pork, noodles, and vegetables (including carrots, broccoli, and/or dark green leafy), tomato-based sauce	0	0	0	0	0	0	0	1													0.25987526			
27320070	Ham or pork, noodles, and vegetables (including carrots, broccoli, and/or dark green leafy), tomato-based sauce (mixture)	1	1	1	1	1	1	1	0													0.253164557			
27320080	Sausage, noodles, and vegetables (excluding carrots, broccoli, and dark green leafy), tomato-based sauce	0	0	0	0	0	0	0	1													0.253164557			
27320050	Sausage, noodles, and vegetables (excluding carrots, broccoli, and dark green leafy), tomato-based sauce	1	1	1	1	1	1	1	0													0.257731959			
27320090	Sausage, noodles, and vegetables (including carrots, broccoli, and/or dark green leafy), tomato-based sauce	0	0	0	0	0	0	0	1													0.257731959			
27320090	Sausage, noodles, and vegetables (including carrots, broccoli, and/or dark green leafy), tomato-based sauce	1	1	1	1	1	1	1	0													0.257731959			
27320100	Pork, potatoes, and vegetables (including carrots, broccoli, and/or dark green leafy), tomato-based sauce (mixture)	1	1	1	1	1	1	1	0													0.257731959			
27320100	Pork, potatoes, and vegetables (including carrots, broccoli, and/or dark green leafy), tomato-based sauce	0	0	0	0	0	0	0	1													0.249501639			
27320110	Pork, potatoes, and vegetables (excluding carrots, broccoli, and dark green leafy), tomato-based sauce (mixture)	1	1	1	1	1	1	1	0													0.249501639			
27320110	Pork, potatoes, and vegetables (excluding carrots, broccoli, and dark green leafy), tomato-based sauce	0	0	0	0	0	0	0	1													0.24691358			
27320120	Sausage, potatoes, and vegetables (including carrots, broccoli, and/or dark green leafy), gravy (mixture)	1	1	1	1	1	1	1	0													0.24691358			
27320120	Sausage, potatoes, and vegetables (including carrots, broccoli, and/or dark green leafy), gravy	0	0	0	0	0	0	0	1													0.252312868			
27320130	Sausage, potatoes, and vegetables (excluding carrots, broccoli, and dark green leafy), gravy (mixture)	1	1	1	1	1	1	1	0													0.252312868			
27320130	Sausage, potatoes, and vegetables (excluding carrots, broccoli, and dark green leafy), gravy	0	0	0	0	0	0	0	1													0.253378378			
27320140	Pork, potatoes, and vegetables (including carrots, broccoli, and/or dark green leafy), gravy (mixture)	1	1	1	1	1	1	1	0													0.253378378			
27320140	Pork, potatoes, and vegetables (including carrots, broccoli, and/or dark green leafy), gravy	0	0	0	0	0	0	0	1													0.247811003			
27320150	Pork, potatoes, and vegetables (excluding carrots, broccoli, and dark green leafy), gravy (mixture)	1	1	1	1	1	1	1	0													0.247811003			
27320150	Pork, potatoes, and vegetables (excluding carrots, broccoli, and dark green leafy), gravy	0	0	0	0	0	0	0	1													0.248838752			
27320320	Pork, rice, and vegetables (including carrots, broccoli, and/or dark green leafy), soy-based sauce (mixture)	1	1	1	1	1	1	1	0													0.248838752			
27320320	Pork, rice, and vegetables (including carrots, broccoli, and/or dark green leafy), soy-based sauce	0	0	0	0	0	0	0	1													0.125392673			
27320330	Pork, rice, and vegetables (excluding carrots, broccoli, and dark green leafy), soy-based sauce (mixture)	1	1	1	1	1	1	1	0													0.125392673			
27320330	Pork, rice, and vegetables (excluding carrots, broccoli, and dark green leafy), soy-based sauce	0	0	0	0	0	0	0	1													0.129596351			
27320330	Pork, rice, and vegetables (including carrots, broccoli, and dark green leafy), soy-based sauce	0	0	0	0	0	0	0	1													0.129596351			

Appendix A. List of food codes and inferred proportions

		NHANES biennials							Reduced-fat mayonnaise, reduced- sugar ketchup/mustard, and other reduce-fat/ sugar condiments	Dry-mix seasoning and blends	Bakery cookies and pastry	Bakery reduced- fat cookies and pastry	RTD sport nutrition beverages	RTD beverages	Reduced- sugar cereals (RTG) and cereal bars	Candies	Confectionary	Dairy and imitation dairy products	Infant food: cereal	Infant food: bakery	Powdered beverage mix	Sauces, instant and prepared	Reduced-fat salad dressing, pourable and spoonable	Reduced-sugar snack-based fillings
27320340	Pork, rice, and vegetables (including carrots, broccoli, and/or dark green leafy), tomato-based sauce (mixture)	1	1	1	1	1	1	0													0.251046025			
27320340	Pork, rice, and vegetables including carrots, broccoli, and/or dark green leafy; tomato based sauce	0	0	0	0	0	0	1													0.251046025			
27320350	Pork, rice, and vegetables (excluding carrots, broccoli, and dark green leafy), tomato based sauce (mixture)	1	1	1	1	1	1	0													0.251046025			
27320350	Pork, rice, and vegetables excluding carrots, broccoli, and dark green leafy; tomato based sauce	0	0	0	0	0	0	1													0.251046025			
27320410	Ham, potatoes, and vegetables excluding carrots, broccoli, and dark green leafy; no sauce	0	0	0	0	0	0	1													1			
27320450	Ham, potatoes, and vegetables (including carrots, broccoli, and/or dark green leafy), no sauce (mixture)	1	1	1	1	1	1	0													1			
27320450	Ham, potatoes, and vegetables including carrots, broccoli, and/or dark green leafy; no sauce	0	0	0	0	0	0	1													1			
27330010	Shepherd's pie with lamb	1	1	1	1	1	1	0			1													
27330010	Shepherd's pie with lamb	0	0	0	0	0	0	1			1													
27330030	Lamb or mutton stew with potatoes and vegetables including carrots, broccoli, and/or dark green leafy; gravy	0	0	0	0	0	0	1														0.174334332		
27330030	Lamb or mutton stew with potatoes and vegetables (including carrots, broccoli, and/or dark green leafy), gravy	1	1	1	1	1	1	0														0.174334332		
27330050	Lamb or mutton, rice, and vegetables excluding carrots, broccoli, and dark green leafy; gravy	0	0	0	0	0	0	1														0.25518884		
27330050	Lamb or mutton, rice, and vegetables (excluding carrots, broccoli, and dark green leafy), gravy (mixture)	1	1	1	1	1	1	0														0.25518884		
27330050	Lamb or mutton, rice, and vegetables including carrots, broccoli, and/or dark green leafy; tomato based sauce	0	0	0	0	0	0	1														0.254237288		
27330060	Lamb or mutton, rice, and vegetables (including carrots, broccoli, and/or dark green leafy), tomato-based sauce (mixture)	1	1	1	1	1	1	0														0.254237288		
27330080	Lamb or mutton, rice, and vegetables (including carrots, broccoli, and/or dark green leafy); gravy	0	0	0	0	0	0	1														0.25518884		
27330080	Lamb or mutton, rice, and vegetables (including carrots, broccoli, and/or dark green leafy), gravy	1	1	1	1	1	1	0														0.25518884		
27330110	Lamb or mutton stew with potatoes and vegetables excluding carrots, broccoli, and dark green leafy; gravy	0	0	0	0	0	0	1														0.175004747		
27330110	Lamb or mutton stew with potatoes and vegetables (excluding carrots, broccoli, and dark green leafy), gravy	1	1	1	1	1	1	0														0.175004747		
27330210	Lamb or mutton stew with potatoes and vegetables including carrots, broccoli, and/or dark green leafy; tomato-based sauce	0	0	0	0	0	0	1														0.188899316		
27330210	Lamb or mutton stew with potatoes and vegetables (including carrots, broccoli, and/or dark green leafy), tomato based sauce	1	1	1	1	1	1	0														0.188899316		
27330220	Lamb or mutton stew with potatoes and vegetables excluding carrots, broccoli, and dark green leafy; tomato-based sauce	0	0	0	0	0	0	1														0.189344662		
27330220	Lamb or mutton stew with potatoes and vegetables (excluding carrots, broccoli, and dark green leafy), tomato-based sauce	1	1	1	1	1	1	0														0.189344662		
27332100	Veal stew with potatoes and vegetables (including carrots, broccoli, and/or dark green leafy), tomato-based sauce	1	1	1	1	1	1	0														0.560302846		
27332100	Veal stew with potatoes and vegetables (including carrots, broccoli, and/or dark green leafy); tomato based sauce	0	0	0	0	0	0	1														0.560802846		
27332110	Veal stew with potatoes and vegetables (excluding carrots, broccoli, and/or dark green leafy), tomato based sauce	1	1	1	1	1	1	0														0.454696385		
27332110	Veal stew with potatoes and vegetables excluding carrots, broccoli, and/or dark green leafy; tomato based sauce	0	0	0	0	0	0	1														0.454696385		
27336100	Venison or deer stew with potatoes and vegetables including carrots, broccoli, and/or dark green leafy; tomato-based sauce	0	0	0	0	0	0	1														0.433522904		
27336100	Venison/deer stew with potatoes and vegetables (including carrots, broccoli, and/or dark green leafy), tomato-based sauce	1	1	1	1	1	1	0														0.433522904		
27336150	Venison or deer stew with potatoes and vegetables excluding carrots, broccoli, and dark green leafy; tomato-based sauce	0	0	0	0	0	0	1														0.483262237		
27336150	Venison/deer stew with potatoes and vegetables (excluding carrots, broccoli, and dark green leafy), tomato-based sauce	1	1	1	1	1	1	0														0.483262237		

Appendix A. List of food codes and inferred proportions

		NHANES biennials							Reduced-fat mayonnaise, reduced- sugar ketchup/mustard, and other reduced-fat/ sugar condiments	Dry-mix seasoning and blends	Bakery cookies and pastry	Bakery reduced- fat cookies and pastry	RTD sport nutrition beverages	RTD beverages	Reduced- sugar cereals (RTE) and cereal bars	Candies	Confectionary	Dairy and imitation dairy products	Infant food: cereal	Infant food: bakery	Powdered beverage mix	Sauces, instant and prepared	Reduced-fat salad dressing, pourable and spoonable	Reduced-sugar snack-based fillings
27336200	Venison or deer, potatoes, and vegetables including carrots, broccoli, and/or dark-green leafy; gravy	0	0	0	0	0	0	1														0.246710526		
27336200	Venison/deer, potatoes, and vegetables (including carrots, broccoli, and/or dark-green leafy), gravy (mixture)	1	1	1	1	1	1	0														0.246710526		
27336250	Venison or deer, potatoes, and vegetables excluding carrots, broccoli, and dark-green leafy; gravy	0	0	0	0	0	0	1														0.247279149		
27336250	Venison/deer, potatoes, and vegetables (excluding carrots, broccoli, and dark-green leafy), gravy (mixture)	1	1	1	1	1	1	0														0.247279149		
27336300	Venison or deer, noodles, and vegetables including carrots, broccoli, and/or dark-green leafy; tomato-based sauce	0	0	0	0	0	0	1														0.251046025		
27336300	Venison/deer, noodles, and vegetables (including carrots, broccoli, and/or dark-green leafy), tomato-based sauce (mixture)	1	1	1	1	1	1	0														0.251046025		
27336310	Venison or deer, noodles, and vegetables excluding carrots, broccoli, and dark-green leafy; tomato-based sauce	0	0	0	0	0	0	1														0.251046025		
27336310	Venison/deer, noodles, and vegetables (excluding carrots, broccoli, and dark-green leafy), tomato-based sauce (mixture)	1	1	1	1	1	1	0														0.251046025		
27341000	Chicken or turkey, potatoes, corn, and cheese, with gravy	0	0	1	1	1	1	1														0.190426761		
27341025	Chicken or turkey, potatoes, and vegetables including carrots, broccoli, and/or dark-green leafy; gravy	0	0	0	0	0	0	1														0.246791708		
27341025	Chicken or turkey, potatoes, and vegetables (including carrots, broccoli, and/or dark-green leafy), gravy (mixture)	0	0	1	1	1	1	0														0.246791708		
27341030	Chicken or turkey, potatoes, and vegetables excluding carrots, broccoli, and dark-green leafy; gravy	0	0	0	0	0	0	1														0.246791708		
27341030	Chicken or turkey, potatoes, and vegetables (excluding carrots, broccoli, and dark-green leafy), gravy (mixture)	0	0	1	1	1	1	0														0.246791708		
27341035	Chicken or turkey, potatoes, and vegetables including carrots, broccoli, and/or dark-green leafy; cream sauce, white sauce, or mushroom sauce	0	0	0	0	0	0	1														0.304414003		
27341035	Chicken or turkey, potatoes, and vegetables (including carrots, broccoli, and/or dark-green leafy), cream sauce, white sauce, or mushroom soup-based sauce (mixture)	0	0	1	1	1	1	0														0.304414003		
27341040	Chicken or turkey, potatoes, and vegetables excluding carrots, broccoli, and dark-green leafy; cream sauce, white sauce, or mushroom sauce	0	0	0	0	0	0	1														0.305576776		
27341040	Chicken or turkey, potatoes, and vegetables (excluding carrots, broccoli, and dark-green leafy), cream sauce, white sauce, or mushroom soup-based sauce (mixture)	0	0	1	1	1	1	0														0.305576776		
27341045	Chicken or turkey, potatoes, and vegetables including carrots, broccoli, and/or dark-green leafy; cheese sauce	0	0	0	0	0	0	1														0.257643422		
27341045	Chicken or turkey, potatoes, and vegetables (including carrots, broccoli, and/or dark-green leafy), cheese sauce (mixture)	0	0	1	1	1	1	0														0.257643422		
27341050	Chicken or turkey, potatoes, and vegetables excluding carrots, broccoli, and dark-green leafy; cheese sauce	0	0	0	0	0	0	1														0.257643422		
27341050	Chicken or turkey, potatoes, and vegetables (excluding carrots, broccoli, and dark-green leafy), cheese sauce (mixture)	0	0	1	1	1	1	0														0.257643422		
27341055	Chicken or turkey, potatoes, and vegetables including carrots, broccoli, and/or dark-green leafy; tomato-based sauce	0	0	0	0	0	0	1														0.244897959		
27341055	Chicken or turkey, potatoes, and vegetables (including carrots, broccoli, and/or dark-green leafy), tomato-based sauce (mixture)	0	0	1	1	1	1	0														0.244897959		
27341060	Chicken or turkey, potatoes, and vegetables excluding carrots, broccoli, and dark-green leafy; tomato-based sauce	0	0	0	0	0	0	1														0.244897959		
27341060	Chicken or turkey, potatoes, and vegetables (excluding carrots, broccoli, and dark-green leafy), tomato-based sauce (mixture)	0	0	1	1	1	1	0														0.244897959		
27341310	Chicken or turkey stew with potatoes and vegetables including carrots, broccoli, and/or dark-green leafy; gravy	0	0	0	0	0	0	1														0.480803898		
27341310	Chicken or turkey stew with potatoes and vegetables (including carrots, broccoli, and/or dark-green leafy), gravy	1	1	1	1	1	1	0														0.480803898		
27341320	Chicken or turkey stew with potatoes and vegetables excluding carrots, broccoli, and dark-green leafy; gravy	0	0	0	0	0	0	1														0.46552912		
27341320	Chicken or turkey stew with potatoes and vegetables (excluding carrots, broccoli, and dark-green leafy), gravy	1	1	1	1	1	1	0														0.46552912		

Appendix A. List of food codes and inferred proportions

		NHANES biennials						Reduced-fat mayonnaise, reduced- sugar ketchup/mustard, and other reduced- fat/sugar condiments	Dry-mix seasoning and blends	Bakery cookies and pastry	Bakery reduced- fat cookies and pastry	RTD sport nutrition beverages	RTD beverages	Reduced- sugar cereals (RTE) and cereal bars	Candies	Confectionary	Dairy and imitation dairy products	Infant food: cereal	Infant food: bakery	Powdered beverage mix	Sauces, Instant and prepared	Reduced-fat salad dressing, pourable and spoonable	Reduced-sugar snack-based fillings
27341510	Chicken or turkey stew with potatoes and vegetables including carrots, broccoli, and/or dark-green leafy, tomato-based sauce	0	0	0	0	0	0	1													0.482800389		
27341510	Chicken or turkey stew with potatoes and vegetables (including carrots, broccoli, and/or dark-green leafy), tomato-based sauce	1	1	1	1	1	1	0													0.482800389		
27341520	Chicken or turkey stew with potatoes and vegetables excluding carrots, broccoli, and dark-green leafy, tomato-based sauce	0	0	0	0	0	0	1													0.467519298		
27341520	Chicken or turkey stew with potatoes and vegetables (excluding carrots, broccoli, and dark-green leafy), tomato-based sauce	1	1	1	1	1	1	0													0.467519298		
27343410	Chicken or turkey, noodles, and vegetables including carrots, broccoli, and/or dark-green leafy, gravy	0	0	0	0	0	0	1													0.252058478		
27343410	Chicken or turkey, noodles, and vegetables (including carrots, broccoli, and/or dark-green leafy), gravy (mixture)	1	1	1	1	1	1	0													0.252058478		
27343420	Chicken or turkey, noodles, and vegetables excluding carrots, broccoli, and dark-green leafy, gravy	0	0	0	0	0	0	1													0.253036437		
27343420	Chicken or turkey, noodles, and vegetables (excluding carrots, broccoli, and dark-green leafy), gravy (mixture)	1	1	1	1	1	1	0													0.253036437		
27343470	Chicken or turkey, noodles, and vegetables (including carrots, broccoli, and/or dark-green leafy), cream sauce, white sauce, or mushroom soup-based sauce (mixture)	1	1	1	1	1	1	0													0.311623559		
27343470	Chicken or turkey, noodles, and vegetables including carrots, broccoli, and/or dark-green leafy, cream sauce, white sauce, or mushroom sauce	0	0	0	0	0	0	1													0.311623559		
27343480	Chicken or turkey, noodles, and vegetables excluding carrots, broccoli, and/or dark-green leafy, cream sauce, white sauce, or mushroom sauce	0	0	0	0	0	0	1													0.31152648		
27343480	Chicken or turkey, noodles, and vegetables (excluding carrots, broccoli, and/or dark-green leafy), cream sauce, white sauce, or mushroom soup-based sauce (mixture)	1	1	1	1	1	1	0													0.31152648		
27343510	Chicken or turkey, noodles, and vegetables including carrots, broccoli, and/or dark-green leafy, tomato-based sauce	0	0	0	0	0	0	1													0.25		
27343510	Chicken or turkey, noodles, and vegetables (including carrots, broccoli, and/or dark-green leafy), tomato-based sauce (mixture)	1	1	1	1	1	1	0													0.25		
27343520	Chicken or turkey, noodles, and vegetables excluding carrots, broccoli, and dark-green leafy, tomato-based sauce	0	0	0	0	0	0	1													0.25		
27343520	Chicken or turkey, noodles, and vegetables (excluding carrots, broccoli, and dark-green leafy), tomato-based sauce (mixture)	1	1	1	1	1	1	0													0.25		
27343950	Chicken or turkey, noodles, and vegetables including carrots, broccoli, and/or dark-green leafy, cheese sauce	0	0	0	0	0	0	1													0.25987526		
27343950	Chicken or turkey, noodles, and vegetables (including carrots, broccoli, and/or dark-green leafy), cheese sauce (mixture)	1	1	1	1	1	1	0													0.25987526		
27343960	Chicken or turkey, noodles, and vegetables excluding carrots, broccoli, and dark-green leafy, cheese sauce	0	0	0	0	0	0	1													0.260609565		
27343960	Chicken or turkey, noodles, and vegetables (excluding carrots, broccoli, and dark-green leafy), cheese sauce (mixture)	1	1	1	1	1	1	0													0.260609565		
27345210	Chicken or turkey, rice, and vegetables including carrots, broccoli, and/or dark-green leafy, gravy	0	0	0	0	0	0	1													0.251046025		
27345210	Chicken or turkey, rice, and vegetables (including carrots, broccoli, and/or dark-green leafy), gravy (mixture)	1	1	1	1	1	1	0													0.251046025		
27345220	Chicken or turkey, rice, and vegetables excluding carrots, broccoli, and dark-green leafy, gravy	0	0	0	0	0	0	1													0.250396461		
27345220	Chicken or turkey, rice, and vegetables (excluding carrots, broccoli, and dark-green leafy), gravy (mixture)	1	1	1	1	1	1	0													0.250396461		
27345230	Chicken or turkey, rice, corn, and cheese, with gravy	0	0	0	0	0	0	1													0.207074333		
27345230	Chicken or turkey, rice, corn, and cheese, with gravy (mixture)	0	0	0	0	0	0	1													0.207074333		
27345310	Chicken or turkey, rice, and vegetables including carrots, broccoli, and/or dark-green leafy, soy-based sauce	0	0	0	0	0	0	1													0.125332673		
27345310	Chicken or turkey, rice, and vegetables (including carrots, broccoli, and/or dark-green leafy), soy-based sauce (mixture)	1	1	1	1	1	1	0													0.125332673		
27345320	Chicken or turkey, rice, and vegetables excluding carrots, broccoli, and dark-green leafy, soy-based sauce	0	0	0	0	0	0	1													0.129596351		

Appendix A. List of food codes and inferred proportions

		NHANES biennials							Reduced-fat mayonnaise, reduced-sugar ketchup/mustard, and other reduced-fat/sugar condiments	Dry-wipe seasoning and blends	Bakery coolers and pastry	Bakery reduced-fat cookies and pastry	RTD sport nutrition beverages	RTD beverages	Reduced-sugar cereals (RTE) and cereal bars	Candies	Confectionary	Dairy and imitation dairy products	Infant food: cereal	Infant food: bakery	Powdered beverage mix	Sauces, instant and prepared	Reduced-fat salad dressing, pourable and spoonable	Reduced-sugar snack-based fillings
27345320	Chicken or turkey, rice, and vegetables (excluding carrots, broccoli, and dark-green leafy), soy-based sauce (mixture)	1	1	1	1	1	1	0													0.12596351			
27345410	Chicken or turkey, rice, and vegetables including carrots, broccoli, and/or dark-green leafy; cream sauce, white sauce, or mushroom sauce	0	0	0	0	0	0	1													0.309119011			
27345410	Chicken or turkey, rice, and vegetables (including carrots, broccoli, and/or dark-green leafy); cream sauce, white sauce, or mushroom soup-based sauce (mixture)	1	1	1	1	1	1	0													0.309119011			
27345470	Chicken or turkey, rice, and vegetables excluding carrots, broccoli, and dark-green leafy; cream sauce, white sauce, or mushroom sauce	0	0	0	0	0	0	1													0.310318076			
27345420	Chicken or turkey, rice, and vegetables (excluding carrots, broccoli, and dark-green leafy); cream sauce, white sauce, or mushroom soup-based sauce (mixture)	1	1	1	1	1	1	0													0.310318076			
27345440	Chicken or turkey, rice, and vegetables including carrots, broccoli, and/or dark-green leafy; cheese sauce	0	0	0	0	0	0	1													0.25987526			
27345440	Chicken or turkey, rice, and vegetables (including carrots, broccoli, and/or dark-green leafy); cheese sauce (mixture)	1	1	1	1	1	1	0													0.25987526			
27345450	Chicken or turkey, rice, and vegetables excluding carrots, broccoli, and dark-green leafy; cheese sauce	0	0	0	0	0	0	1													0.25987526			
27345450	Chicken or turkey, rice, and vegetables (excluding carrots, broccoli, and dark-green leafy); cheese sauce (mixture)	1	1	1	1	1	1	0													0.25987526			
27345510	Chicken or turkey, rice, and vegetables including carrots, broccoli, and/or dark-green leafy; tomato-based sauce	0	0	0	0	0	0	1													0.248962656			
27345510	Chicken or turkey, rice, and vegetables (including carrots, broccoli, and/or dark-green leafy); tomato-based sauce (mixture)	1	1	1	1	1	1	0													0.248962656			
27345520	Chicken or turkey, rice, and vegetables excluding carrots, broccoli, and dark-green leafy; tomato-based sauce	0	0	0	0	0	0	1													0.248962656			
27347100	Chicken or turkey pot pie	1	1	1	1	1	1	1		1	1													
27347220	Chicken or turkey, stuffing, and vegetables including carrots, broccoli, and/or dark-green leafy; gravy	0	0	0	0	0	0	1													0.695652174			
27347220	Chicken or turkey, stuffing, and vegetables (including carrots, broccoli, and/or dark-green leafy); gravy (mixture)	1	1	1	1	1	1	0													0.695652174			
27347230	Chicken or turkey, stuffing, and vegetables excluding carrots, broccoli, and dark-green leafy; gravy	0	0	0	0	0	0	1													0.695652174			
27347230	Chicken or turkey, stuffing, and vegetables (excluding carrots, broccoli, and dark-green leafy); gravy (mixture)	1	1	1	1	1	1	0													0.695652174			
27347240	Chicken or turkey, dumplings, and vegetables including carrots, broccoli, and/or dark-green leafy; gravy	0	0	0	0	0	0	1													0.25210084			
27347240	Chicken or turkey, dumplings, and vegetables (including carrots, broccoli, and/or dark-green leafy); gravy (mixture)	1	1	1	1	1	1	0													0.25210084			
27347250	Chicken or turkey, dumplings, and vegetables excluding carrots, broccoli, and dark-green leafy; gravy	0	0	0	0	0	0	1													0.253164557			
27347250	Chicken or turkey, dumplings, and vegetables (excluding carrots, broccoli, and dark-green leafy); gravy (mixture)	1	1	1	1	1	1	0													0.253164557			
27350030	Seafood stew with potatoes and vegetables (excluding carrots, broccoli, and dark-green leafy); tomato-based sauce	1	1	1	1	1	1	0													0.330054159			
27350030	Seafood stew with potatoes and vegetables excluding carrots, broccoli, and dark-green leafy; tomato-based sauce	0	0	0	0	0	0	1													0.330054159			
27350070	Tuna pot pie	1	1	1	1	1	1	1		1	1													
27350080	Tuna noodle casserole with vegetables, cream or white sauce	1	1	1	1	1	1	0													0.346214257			
27350080	Tuna noodle casserole with vegetables, cream or white sauce	0	0	0	0	0	0	1													0.346214257			
27350090	Fish, noodles, and vegetables including carrots, broccoli, and/or dark-green leafy; cheese sauce	0	0	0	0	0	0	1													0.25987526			
27350090	Fish, noodles, and vegetables (including carrots, broccoli, and/or dark-green leafy); cheese sauce (mixture)	1	1	1	1	1	1	0													0.25987526			
27350100	Fish, noodles, and vegetables excluding carrots, broccoli, and dark-green leafy; cheese sauce	0	0	0	0	0	0	1													0.25987526			

Appendix A. List of food codes and Inferred proportions

	NHANES biennials							Reduced-fat margarine, reduced- sugar ketchup/mustard, and other reduced- fat/sugar condiments	Dry-mix seasoning and blends	Bakery cookies and pastry	Bakery reduced- fat cookies and pastry	RTD sport nutrition beverages	RTD beverages	Reduced- sugar cereals (RTE) and cereals bars	Candies	Confectionary	Dairy and imitation dairy products	Infant food: cereal	Infant food: bakery	Powdered beverage mix	Sauces, Instant and prepared	Reduced-fat salad dressing, pourable and spoonable	Reduced-sugar snack-based fillings
27350100	Fish, noodles, and vegetables (excluding carrots, broccoli, and dark-green leafy), cheese sauce (mixture)	1	1	1	1	1	1	0													0.25987576		
27350200	Oyster pie	0	0	0	0	0	0	1	1														
27350200	Oyster pie	1	1	1	1	1	1	0	1	1													
27350310	Seafood stew with potatoes and vegetables (including carrots, broccoli, and/or dark-green leafy), tomato-based sauce	1	1	1	1	1	1	0													0.360344014		
27350310	Seafood stew with potatoes and vegetables (including carrots, broccoli, and/or dark-green leafy), tomato-based sauce	0	0	0	0	0	0	1													0.360344014		
27350410	Tuna noodle casserole with vegetables and mushroom sauce	0	0	0	0	0	0	1													0.370056343		
27360050	Meat pie, NFS	1	1	1	1	1	1	1	1	1													
27411100	Beef with vegetables (including carrots, broccoli, and/or dark-green leafy (no potatoes)), tomato-based sauce (mixture)	1	1	1	1	1	1	0													0.440528634		
27411100	Beef with vegetables (including carrots, broccoli, and/or dark-green leafy; no potatoes), tomato-based sauce	0	0	0	0	0	0	1													0.440528634		
27411150	Beef rolls, stuffed with vegetables or meat mixture, tomato-based sauce	1	1	1	1	1	1	0													0.103528943		
27411150	Beef rolls, stuffed with vegetables or meat mixture, tomato-based sauce	0	0	0	0	0	0	1													0.103528943		
27411200	Beef with vegetables (including carrots, broccoli, and dark-green leafy (no potatoes)), tomato-based sauce (mixture)	1	1	1	1	1	1	0													0.524843877		
27411200	Beef with vegetables (excluding carrots, broccoli, and dark-green leafy; no potatoes), tomato-based sauce	0	0	0	0	0	0	1													0.524843877		
27414100	Beef with vegetables (including carrots, broccoli, and/or dark-green leafy; no potatoes), mushroom sauce	0	0	0	0	0	0	1													0.545454545		
27414200	Beef with vegetables (excluding carrots, broccoli, and dark-green leafy; no potatoes), mushroom sauce	0	0	0	0	0	0	1													0.54569055		
27415100	Beef and vegetables (including carrots, broccoli, and/or dark-green leafy (no potatoes)), soy-based sauce (mixture)	1	1	1	1	1	1	0													0.144124695		
27415100	Beef and vegetables (including carrots, broccoli, and/or dark-green leafy; no potatoes), soy-based sauce	0	0	0	0	0	0	1													0.144124695		
27415120	Beef, tofu, and vegetables (including carrots, broccoli, and/or dark-green leafy (no potatoes)), soy-based sauce (mixture)	1	1	1	1	1	1	0													0.339135732		
27415120	Beef, tofu, and vegetables (including carrots, broccoli, and/or dark-green leafy; no potatoes), soy-based sauce	0	0	0	0	0	0	1													0.339135732		
27415200	Beef and vegetables (excluding carrots, broccoli, and dark-green leafy (no potatoes)), soy-based sauce (mixture)	1	1	1	1	1	1	0													0.149771629		
27415200	Beef and vegetables (excluding carrots, broccoli, and dark-green leafy; no potatoes), soy-based sauce	0	0	0	0	0	0	1													0.149771629		
27415220	Beef, tofu, and vegetables (including carrots, broccoli, and dark-green leafy (no potatoes)), soy-based sauce (mixture)	1	1	1	1	1	1	0													0.144333463		
27415220	Beef, tofu, and vegetables (excluding carrots, broccoli, and dark-green leafy; no potatoes), soy-based sauce	0	0	0	0	0	0	1													0.144333463		
27416300	Beef taco filling: beef, cheese, tomato, taco sauce	1	1	1	1	1	1	1													0.252665403		
27416400	Stir-fried beef and vegetables in soy sauce	0	0	0	0	0	0	1													0.096691648		
27416400	Sukiyaki (stir-fried beef and vegetables in soy sauce)	1	1	1	1	1	1	0													0.096691648		
27416450	Beef and vegetables (including carrots, broccoli, and/or dark-green leafy (no potatoes)), gravy (mixture)	1	1	1	1	1	1	0													0.443262411		
27416450	Beef and vegetables (including carrots, broccoli, and/or dark-green leafy; no potatoes), gravy	0	0	0	0	0	0	1													0.443262411		
27416500	Beef and vegetables (including carrots, broccoli, and dark-green leafy (no potatoes)), gravy (mixture)	1	1	1	1	1	1	0													0.443131462		
27416500	Beef and vegetables (excluding carrots, broccoli, and dark-green leafy; no potatoes), gravy	0	0	0	0	0	0	1													0.443131462		
27418310	Cornd beef with tomato sauce and onion, Puerto Rican style (mixture)	1	1	1	1	1	1	0													0.227531076		
27418310	Cornd beef with tomato sauce and onion, Puerto Rican style	0	0	0	0	0	0	1													0.227531076		
27420100	Pork, tofu, and vegetables (including carrots, broccoli, and/or dark-green leafy (no potatoes)), soy-based sauce (mixture)	1	1	1	1	1	1	0													0.339135732		
27420100	Pork, tofu, and vegetables (including carrots, broccoli, and/or dark-green leafy; no potatoes), soy-based sauce	0	0	0	0	0	0	1													0.339135732		
27420120	Pork and watercress with soy-based sauce (mixture)	1	1	1	1	1	1	0													0.14958889		
27420120	Pork and watercress with soy-based sauce	0	0	0	0	0	0	1													0.14958889		
27420170	Pork and onions with soy-based sauce (mixture)	1	1	1	1	1	1	0													0.146374061		
27420170	Pork and onions with soy-based sauce	0	0	0	0	0	0	1													0.146374061		

Appendix A. List of food codes and Inferred proportions

		NHANES biennials							Reduce-fat myononaise, reduce- sugar ketchup/mustard, and other reduce-fat/ sugar condiments	Dry-mix seasoning and blends	Bakery cookies and pastry	Bakery reduced- fat cookies and pastry	RTD sport nutrition beverages	RTD beverages	Reduced- sugar cereals (RTG) and cereals bars	Candies	Confectionary	Dairy and imitation dairy products	Infant food: cereal	Infant food: bakery	Powdered beverage mix	Sauces, instant and prepared	Reduced-fat salsa dressing, pourable and spoonable	Reduced-sugar snack-based fillings
27420200	Pork hash, Hawaii an style ground pork, vegetables (excluding carrots, broccoli, and dark-green leafy (no potatoes)), soy based sauce	1	1	1	1	1	1	0													0.015790634			
27420370	Pork, tofu, and vegetables, excluding carrots, broccoli, and dark-green leafy, no potatoes, soy based sauce	0	0	0	0	0	0	1													0.144410013			
27420370	Pork, tofu, and vegetables (excluding carrots, broccoli, and dark-green leafy (no potatoes)), soy based sauce (mixture)	1	1	1	1	1	1	0													0.144410013			
27420400	Pork and vegetables (including carrots, broccoli, and/or dark-green leafy (no potatoes)), tomato based sauce (mixture)	1	1	1	1	1	1	0													0.440528634			
27420400	Pork and vegetables including carrots, broccoli, and/or dark-green leafy, no potatoes, tomato based sauce	0	0	0	0	0	0	1													0.440528634			
27420410	Pork and vegetables (excluding carrots, broccoli, and dark-green leafy (no potatoes)), tomato based sauce (mixture)	1	1	1	1	1	1	0													0.440399295			
27420410	Pork and vegetables excluding carrots, broccoli, and dark-green leafy, no potatoes, tomato based sauce	0	0	0	0	0	0	1													0.440399295			
27420450	Sausage and vegetables (including carrots, broccoli, and/or dark-green leafy (no potatoes)), tomato based sauce (mixture)	1	1	1	1	1	1	0													0.451807229			
27420450	Sausage and vegetables including carrots, broccoli, and/or dark-green leafy, no potatoes, tomato based sauce	0	0	0	0	0	0	1													0.451807229			
27420460	Sausage and vegetables (excluding carrots, broccoli, and dark-green leafy (no potatoes)), tomato based sauce (mixture)	1	1	1	1	1	1	0													0.451807229			
27420460	Sausage and vegetables, excluding carrots, broccoli, and dark-green leafy, no potatoes, tomato based sauce	0	0	0	0	0	0	1													0.451807229			
27420470	Sausage and peppers, no sauce (mixture)	1	1	1	1	1	1	0													1			
27420470	Sausage and peppers, no sauce	0	0	0	0	0	0	1													1			
27420500	Pork and vegetables (including carrots, broccoli, and/or dark-green leafy (no potatoes)), soy based sauce (mixture)	0	0	0	0	0	1	0													0.144124695			
27420500	Pork and vegetables (including carrots, broccoli, and/or dark-green leafy), soy based sauce (mixture)	1	1	1	1	0	0	0													0.144124695			
27420500	Pork and vegetables including carrots, broccoli, and/or dark-green leafy, no potatoes, soy based sauce	0	0	0	0	0	0	1													0.144124695			
27420510	Pork and vegetables (excluding carrots, broccoli, and dark-green leafy (no potatoes)), soy based sauce (mixture)	0	0	0	0	1	1	0													0.149791697			
27420510	Pork and vegetables (excluding carrots, broccoli, and dark-green leafy), soy based sauce (mixture)	1	1	1	1	0	0	0													0.149791697			
27420510	Pork and vegetables excluding carrots, broccoli, and dark-green leafy, no potatoes, soy based sauce	0	0	0	0	0	0	1													0.149791697			
27430400	Lamb or mutton stew with vegetables including carrots, broccoli, and/or dark-green leafy, no potatoes, gravy	0	0	0	0	0	0	1													0.25498008			
27430400	Lamb or mutton stew with vegetables (including carrots, broccoli, and/or dark-green leafy (no potatoes)), gravy	1	1	1	1	1	1	0													0.25498008			
27430410	Lamb or mutton stew with vegetables excluding carrots, broccoli, and dark-green leafy, no potatoes, gravy	0	0	0	0	0	0	1													0.25498008			
27430410	Lamb or mutton stew with vegetables (excluding carrots, broccoli, and dark-green leafy (no potatoes)), gravy	1	1	1	1	1	1	0													0.25498008			
27430500	Veal goulash with vegetables (excluding carrots, broccoli, and dark-green leafy (no potatoes)), tomato based sauce	1	1	1	1	1	1	0													0.419809737			
27430500	Veal goulash with vegetables excluding carrots, broccoli, and dark-green leafy, no potatoes, tomato based sauce	0	0	0	0	0	0	1													0.419809737			
27430510	Veal goulash with vegetables (including carrots, broccoli, and/or dark-green leafy (no potatoes)), tomato based sauce	1	1	1	1	1	1	0													0.400544149			
27430510	Veal goulash with vegetables including carrots, broccoli, and/or dark-green leafy, no potatoes, tomato based sauce	0	0	0	0	0	0	1													0.400544149			
27430580	Veal with vegetables (including carrots, broccoli, and/or dark-green leafy (no potatoes)), cream or white sauce	1	1	1	1	1	1	0													0.543478261			
27430580	Veal with vegetables including carrots, broccoli, and/or dark-green leafy, no potatoes, cream or white sauce	0	0	0	0	0	0	1													0.543478261			
27430590	Veal with vegetables (excluding carrots, broccoli, and dark-green leafy (no potatoes)), cream or white sauce	1	1	1	1	1	1	0													0.424728646			

Appendix A. List of food codes and Inferred proportions

	NHANES biennial							Reduced-fat mayonnaise, reduced- sugar ketchup/mustard, and other reduced-fat/ sugar condiments	Dry-mix seasoning and blends	Bakery cookies and pastry	Bakery reduced- fat cookies and pastry	RTD sport nutrition beverages	RTD beverages	Reduced- sugar cereals [RTE] and cereals bars	Candies	Confectionary	Dairy and imitation dairy products	Infant food: cereal	Infant food: bakery	Powdered beverage mix	Sauces, instant and prepared	Reduced-fat salad dressing, pourable and spoonable	Reduced-sugar snack-based fillings	
27430590	Veal with vegetables excluding carrots, broccoli, and dark green leafy; and potatoes, cream or white sauce	0	0	0	0	0	0	1																
27442110	Chicken or turkey and vegetables (including carrots, broccoli, and/or dark-green leafy (no potatoes)), gravy (mixture)	1	1	1	1	1	1	0														0.424728646		
27442120	Chicken or turkey and vegetables excluding carrots, broccoli, and dark-green leafy; no potatoes, gravy	0	0	0	0	0	0	1														0.440140845		
27442120	Chicken or turkey and vegetables (including carrots, broccoli, and dark-green leafy (no potatoes)), gravy (mixture)	1	1	1	1	1	1	0														0.440011734		
27443110	Chicken or turkey a la king with vegetables (including carrots, broccoli, and/or dark-green leafy (no potatoes)), cream, white, or soup-based sauce	1	1	1	1	1	1	0														0.440011734		
27443110	Chicken or turkey a la king with vegetables (including carrots, broccoli, and/or dark-green leafy; no potatoes, cream, white, or soup-based sauce	0	0	0	0	0	0	1														0.641291015		
27443120	Chicken or turkey a la king with vegetables (excluding carrots, broccoli, and dark-green leafy (no potatoes)), cream, white, or soup-based sauce	1	1	1	1	1	1	0														0.641291015		
27443120	Chicken or turkey a la king with vegetables excluding carrots, broccoli, and dark-green leafy; no potatoes, cream, white, or soup-based sauce	0	0	0	0	0	0	1														0.641161021		
27445110	Chicken or turkey and vegetables (including carrots, broccoli, and/or dark-green leafy (no potatoes)), soy-based sauce (mixture)	1	1	1	1	1	1	0														1		
27445110	Chicken or turkey and vegetables (including carrots, broccoli, and/or dark-green leafy; no potatoes, soy-based sauce	0	0	0	0	0	0	1														1		
27445120	Chicken or turkey and vegetables (excluding carrots, broccoli, and dark-green leafy (no potatoes)), soy-based sauce (mixture)	1	1	1	1	1	1	0														0.149791697		
27445120	Chicken or turkey and vegetables excluding carrots, broccoli, and dark-green leafy; no potatoes, soy-based sauce	0	0	0	0	0	0	1														0.149791697		
27445125	Chicken or turkey and vegetables (including carrots, broccoli, and/or dark-green leafy (no potatoes)), tomato-based sauce (mixture)	0	0	1	1	1	1	0														0.434153401		
27445125	Chicken or turkey and vegetables (including carrots, broccoli, and/or dark-green leafy; no potatoes, tomato-based sauce	0	0	0	0	0	0	1														0.434153401		
27445130	Chicken or turkey and vegetables (excluding carrots, broccoli, and dark-green leafy (no potatoes)), tomato-based sauce (mixture)	0	0	1	1	1	1	0														0.434027778		
27445130	Chicken or turkey and vegetables excluding carrots, broccoli, and dark-green leafy; no potatoes, tomato-based sauce	0	0	0	0	0	0	1														0.434027778		
27446200	Chicken or turkey salad, made with mayonnaise	0	0	0	0	0	0	1														1		
27446200	Chicken or turkey salad, made with mayonnaise	0	0	0	0	0	0	1														1		
27446225	Chicken or turkey salad, made with light mayonnaise	0	0	0	0	0	0	1														0.221351164		
27446225	Chicken or turkey salad, made with light mayonnaise	0	0	0	0	0	0	1														0.221351164		
27446230	Chicken or turkey salad, made with mayonnaise-type salad dressing	0	0	0	0	0	0	1														1		
27446230	Chicken or turkey salad, made with mayonnaise-type salad dressing	0	0	0	0	0	0	1														1		
27446235	Chicken or turkey salad, made with light mayonnaise-type salad dressing	0	0	0	0	0	1	0														0.221351164		
27446235	Chicken or turkey salad, made with light mayonnaise-type salad dressing	0	0	0	0	0	0	1														0.221351164		
27446240	Chicken or turkey salad, made with creamy dressing	0	0	0	0	0	0	1														1		
27446240	Chicken or turkey salad, made with creamy dressing	0	0	0	0	0	1	0														1		
27446245	Chicken or turkey salad, made with light creamy dressing	0	0	0	0	0	0	1														1		
27446245	Chicken or turkey salad, made with light creamy dressing	0	0	0	0	0	1	0														1		
27446250	Chicken or turkey salad, made with Italian dressing	0	0	0	0	0	1	0														1		
27446250	Chicken or turkey salad, made with Italian dressing	0	0	0	0	0	0	1														1		
27446255	Chicken or turkey salad, made with light Italian dressing	0	0	0	0	0	1	0														1		
27446255	Chicken or turkey salad, made with light Italian dressing	0	0	0	0	0	0	1														1		
27446260	Chicken or turkey salad, made with any type of fat free dressing	0	0	0	0	0	1	0														1		
27446260	Chicken or turkey salad, made with any type of fat free dressing	0	0	0	0	0	0	1														1		
27446400	Chicken or turkey and vegetables (including carrots, broccoli, and/or dark-green leafy (no potatoes)), cheese sauce (mixture)	1	1	1	1	1	1	0														0.563373251		

Appendix A. List of food codes and inferred proportions

	NHANES biennials						Reduced-fat mayonnaise, reduced- sugar ketchup/mustard, and other reduced- fat/sugar condiments	Dry-mix seasoning and blends	Bakery cookies and pastry	Bakery reduced- fat cookies and pastry	RTD sport nutrition beverages	RTD beverages	Reduced- sugar cereals (RTT) and cereals bars	Candies	Confectionary	Dairy and imitation dairy products	Infant food: cereal	Infant food: bakery	Powdered beverage mix	Sauces, Instant and prepared	Reduced-fat salad dressing, pourable and spoonable	Reduced-sugar snack-based fillings
27446400	Chicken or turkey and vegetables including carrots, broccoli, and/or dark-green leafy; no potatoes, cheese sauce	0	0	0	0	0	0	1												0.563373253		
27446410	Chicken or turkey and vegetables (excluding carrots, broccoli, and dark-green leafy (no potatoes)), cheese sauce (mixture)	1	1	1	1	1	1	0												0.563591022		
27446410	Chicken or turkey and vegetables excluding carrots, broccoli, and dark-green leafy; no potatoes, cheese sauce	0	0	0	0	0	0	1												0.563591022		
27448010	Chicken or turkey/fricassee, no potatoes, Puerto Rican style, NFS (assume with sauce)	1	0	0	0	0	0	0												0.220148948		
27448020	Chicken or turkey/fricassee, with sauce, no potatoes, Puerto Rican style (potatoes reported separately)	1	1	1	1	1	1	0												0.141921452		
27448020	Chicken or turkey/fricassee, with sauce, no potatoes, potatoes reported separately, Puerto Rican style	0	0	0	0	0	0	1												0.141921452		
27450060	Tuna salad, made with mayonnaise	0	0	0	0	0	0	1														
27450060	Tuna salad, made with mayonnaise	0	0	0	0	0	0	1														
27450061	Tuna salad, made with light mayonnaise	0	0	0	0	0	0	1		0.218928164											1	
27450061	Tuna salad, made with light mayonnaise	0	0	0	0	0	0	1		0.218928164											1	
27450062	Tuna salad, made with mayonnaise-type salad dressing	0	0	0	0	0	0	1													1	
27450062	Tuna salad, made with mayonnaise-type salad dressing	0	0	0	0	0	0	1													1	
27450063	Tuna salad, made with light mayonnaise-type salad dressing	0	0	0	0	0	0	1		0.274800456												1
27450063	Tuna salad, made with light mayonnaise-type salad dressing	0	0	0	0	0	0	1		0.274800456												1
27450064	Tuna salad, made with creamy dressing	0	0	0	0	0	0	1														1
27450064	Tuna salad, made with creamy dressing	0	0	0	0	0	0	1														1
27450065	Tuna salad, made with light creamy dressing	0	0	0	0	0	0	1														1
27450065	Tuna salad, made with light creamy dressing	0	0	0	0	0	0	1														1
27450066	Tuna salad, made with Italian dressing	0	0	0	0	0	0	1														1
27450066	Tuna salad, made with Italian dressing	0	0	0	0	0	0	1														1
27450067	Tuna salad, made with light Italian dressing	0	0	0	0	0	0	1														1
27450067	Tuna salad, made with light Italian dressing	0	0	0	0	0	0	1														1
27450068	Tuna salad, made with any type of fat-free dressing	0	0	0	0	0	0	1														1
27450068	Tuna salad, made with any type of fat-free dressing	0	0	0	0	0	0	1														1
27450410	Shrimp and vegetables (including carrots, broccoli, and/or dark-green leafy (no potatoes)), soy-based sauce (mixture)	1	1	1	1	1	1	0													0.145746016	
27450410	Shrimp and vegetables including carrots, broccoli, and/or dark-green leafy; no potatoes, soy-based sauce	0	0	0	0	0	0	1														0.145746016
27450420	Shrimp and vegetables (excluding carrots, broccoli, and dark-green leafy (no potatoes)), soy-based sauce (mixture)	1	1	1	1	1	1	0														0.151465487
27450420	Shrimp and vegetables excluding carrots, broccoli, and dark-green leafy; no potatoes, soy-based sauce	0	0	0	0	0	0	1														0.151465487
27450510	Tuna casserole with vegetables and mushroom sauce, no noodles	0	0	0	0	0	0	1														0.482720072
27450600	Shellfish mixture and vegetables (including carrots, broccoli, and/or dark-green leafy (no potatoes)), soy-based sauce	1	1	1	1	1	1	0														0.145746016
27450600	Shellfish mixture and vegetables including carrots, broccoli, and/or dark-green leafy; no potatoes, soy-based sauce	0	0	0	0	0	0	1														0.145746016
27450610	Shellfish mixture and vegetables (excluding carrots, broccoli, and dark-green leafy (no potatoes)), soy-based sauce	1	1	1	1	1	1	0														0.151465487
27450610	Shellfish mixture and vegetables excluding carrots, broccoli, and dark-green leafy; no potatoes, soy-based sauce	0	0	0	0	0	0	1														0.151465487
27450650	Shellfish mixture and vegetables including carrots, broccoli, and/or dark-green leafy; no potatoes, mushroom sauce	0	0	0	0	0	0	1														0.512820513
27450660	Shellfish mixture and vegetables excluding carrots, broccoli, and dark-green leafy; no potatoes, mushroom sauce	0	0	0	0	0	0	1														0.512820513
27450700	Fish and vegetables (including carrots, broccoli, and/or dark-green leafy (no potatoes)), tomato-based sauce (mixture)	1	1	1	1	1	1	0														0.431034483
27450700	Fish and vegetables including carrots, broccoli, and/or dark-green leafy; no potatoes, tomato-based sauce	0	0	0	0	0	0	1														0.431034483
27450710	Fish and vegetables (excluding carrots, broccoli, and dark-green leafy (no potatoes)), tomato-based sauce (mixture)	1	1	1	1	1	1	0														0.430910658
27450710	Fish and vegetables excluding carrots, broccoli, and dark-green leafy; no potatoes, tomato-based sauce	0	0	0	0	0	0	1														0.430910658

Appendix A. List of food codes and Inferred proportions

	NHANES biennials							Reduced-fat mayonnaise, reduced- sugar ketchup/mustard, and other reduced-fat/ sugar condiments	Oryzole seasoning and blends	Bakery cookies and pastry	Bakery reduced- fat cookies and pastry	RTD sport nutrition beverages	RTD beverages	Reduced- sugar cereals [RTG] and cereal bars	Candies	Confectionary	Dairy and imitation dairy products	Infant food: cereal	Infant food: bakery	Powdered beverage mix	Sauces, Instant and prepared	Reduced-fat salad dressing, pourable and spoonable	Reduced-sugar snack-based fillings		
27450740	Fish and vegetables (including carrots, broccoli, and/or dark-green leafy (no potatoes)), soy-based sauce (mixture)	1	1	1	1	1	1	0															0.145746016		
27450740	Fish and vegetables including carrots, broccoli, and/or dark-green leafy, no potatoes, soy-based sauce	0	0	0	0	0	0	1																0.145746016	
27450750	Fish and vegetables (excluding carrots, broccoli, and dark-green leafy (no potatoes)), soy-based sauce (mixture)	1	1	1	1	1	1	0																0.151465487	
27450750	Fish and vegetables excluding carrots, broccoli, and dark-green leafy, no potatoes, soy-based sauce	0	0	0	0	0	0	1																0.151465487	
27451010	Fried fish with sauce, Puerto Rican style (Pescado frito con mojo)	0	1	1	1	1	1	1	0																0.52238806
27451010	Fried fish with sauce, Puerto Rican style	0	0	0	0	0	0	1																	0.52238806
27451030	Lobster with sauce, Puerto Rican style (langosta a la criolla)	0	1	1	1	1	1	1	0																0.578556165
27451030	Lobster with sauce, Puerto Rican style	0	0	0	0	0	0	0	1																0.578556165
27510220	Cheeseburger, with mayonnaise or salad dressing, on bun	1	1	1	1	1	1	1	0																1
27510230	Cheeseburger, with mayonnaise or salad dressing and tomatoes, on bun	1	1	0	0	0	0	0																	1
27510230	Cheeseburger, with mayonnaise or salad dressing, and tomato and/or catsup, on bun	0	0	0	0	1	0	0																	0.029513855
27510230	Cheeseburger, with mayonnaise or salad dressing, and tomato and/or catsup, on bun	0	0	1	1	0	0	0																	0.029513855
27510235	Cheeseburger submarine sandwich with lettuce, tomato and spread	0	0	0	0	0	0	0	1							0.049501528									1
27510250	Cheeseburger, 1/4 lb meat, with mayonnaise or salad dressing, on bun	1	1	1	1	1	1	1	0																1
27510260	Cheeseburger, 1/4 lb meat, with mushrooms in sauce, on bun	1	1	1	1	1	1	1	0																0.409649547
27510280	Double cheeseburger (2 patties), with mayonnaise or salad dressing, on bun	1	1	1	1	1	1	1	0																1
27510300	Double cheeseburger (2 patties), with mayonnaise or salad dressing, on double-decker bun	1	1	1	1	1	1	1	0																1
27510310	Cheeseburger with tomato and/or catsup, on bun	1	1	1	1	1	1	1	0																1
27510320	Cheeseburger, 1/4 lb meat, with tomato and/or catsup, on bun	1	1	1	1	1	1	1	0																1
27510330	Double cheeseburger (2 patties), with tomato and/or catsup, on bun	1	1	1	1	1	1	1	0																1
27510340	Double cheeseburger (2 patties), with mayonnaise or salad dressing and tomatoes and/or catsup, on bun	0	0	0	0	1	1	0																	0.04080261
27510340	Double cheeseburger (2 patties), with mayonnaise or salad dressing and tomatoes, on bun	1	1	1	1	0	0	0																	1
27510350	Cheeseburger, 1/4 lb meat, with mayonnaise or salad dressing and tomatoes, on bun	1	1	0	0	0	0	0																	1
27510350	Cheeseburger, 1/4 lb meat, with mayonnaise or salad dressing, and tomato and/or catsup, on bun	0	0	1	1	1	1	1	0																1
27510355	Cheeseburger, 1/3 lb meat, with mayonnaise or salad dressing, tomato and/or catsup on bun	0	0	0	1	1	1	1	0																0.03454357
27510359	Cheeseburger, 1/3 lb meat, with mayonnaise or salad dressing, and mushrooms, on bun	0	0	0	0	0	1	1	0																1
27510360	Bacon cheeseburger, with mayonnaise or salad dressing, tomato and/or catsup, on bun	0	0	1	1	1	1	1	0																0.950617284
27510360	Cheeseburger with mayonnaise or salad dressing, tomato and/or catsup, on bun	1	1	0	0	0	0	0																	1
27510370	Double cheeseburger (2 patties, 1/4 lb meat each), with mayonnaise or salad dressing, on bun	1	1	1	1	1	1	1	0																1
27510375	Double cheeseburger (2 patties, 1/4 lb meat each), with tomato and/or catsup, on bun	0	0	1	1	1	1	1	0																0.85
27510380	Triple cheeseburger (3 patties, 1/4 lb meat each), with mayonnaise or salad dressing and tomatoes and/or catsup, on bun	0	0	0	0	1	1	1	0																0.029745809
27510380	Triple cheeseburger (3 patties, 1/4 lb meat each), with mayonnaise or salad dressing and tomatoes, on bun	1	1	1	1	1	1	1	0																1
27510385	Double bacon cheeseburger (2 patties), with tomato and/or catsup, on bun	0	0	0	0	1	1	1	0																0.032051282
27510400	Bacon cheeseburger, 1/4 lb meat, with tomato and/or catsup, on bun	1	1	1	1	1	1	1	0																0.912844037
27510425	Double bacon cheeseburger (2 patties, 1/4 lb meat each), with mayonnaise or salad dressing, on bun	0	0	1	1	1	1	1	0																1
27510430	Double bacon cheeseburger (2 patties, 1/4 lb meat each), with mayonnaise or salad dressing and tomatoes, on bun	1	1	0	0	0	0	0																	1

Appendix A. List of food codes and Inferred proportions

		NHANES biennials							Reduced-fat mayonnaise, reduced- sugar ketchup/mustard, and other reduced- fat/sugar condiments	Oryzite seasoning and blends	Bakery cookies and pastry	Bakery reduced- fat cookies and pastry	RTD sport nutrition beverages	RTD beverages	Reduced- sugar cereals (RTE) and cereal bars	Candies	Confectionary	Dairy and imitation dairy products	Infant food: cereal	Infant food: bakery	Powdered beverage mix	Sauces, instant and prepared	Reduced-fat sugar dressings pourable and spoonable	Reduced-sugar snack-based fillings
27510430	Double bacon cheeseburger (2 patties, 1/4 lb meat each), with mayonnaise or salad dressing, and tomato and/or catsup, on bun	0	0	1	1	1	1	0													0.043478261	1		
27510435	Double bacon cheeseburger (2 patties, 1/3 lb meat each), with mayonnaise or salad dressing, on bun	0	0	1	1	1	1	0															1	
27510440	Bacon cheeseburger, 1/4 lb meat, with mayonnaise or salad dressing and tomatoes, on bun	1	1	0	0	0	0	0															1	
27510440	Bacon cheeseburger, 1/4 lb meat, with mayonnaise or salad dressing, and tomato and/or catsup, on bun	0	0	1	1	1	1	0														0.018144531	1	
27510445	Bacon cheeseburger, 1/3 lb meat, with tomato and/or catsup, on bun	0	0	0	0	1	1	0														0		
27510480	Cheeseburger (hamburger with cheese sauce), 1/4 lb meat, with grilled onions, on eye bun	1	1	1	1	1	1	0														0.142309535		
27510510	Hamburger, with tomato and/or catsup, on bun	1	1	1	1	1	1	0														1		
27510520	Hamburger, with mayonnaise or salad dressing and tomatoes, on bun	1	1	0	0	0	0	0															1	
27510520	Hamburger, with mayonnaise or salad dressing, and tomato and/or catsup, on bun	0	0	1	1	1	1	0														0.030176926	1	
27510540	Double hamburger (2 patties), with tomato and/or catsup, on bun	1	1	1	1	1	1	0														0		
27510550	Double hamburger (2 patties), with mayonnaise or salad dressing and tomatoes, on double-decker bun	1	1	1	1	1	1	0															1	
27510560	Hamburger, 1/4 lb meat, with mayonnaise or salad dressing and tomatoes, on bun	1	1	0	0	0	0	0															1	
27510560	Hamburger, 1/4 lb meat, with mayonnaise or salad dressing, and tomato and/or catsup, on bun	0	0	1	1	1	1	0														1	1	
27510570	Hamburger, 2-1/2 oz meat, with mayonnaise or salad dressing and tomatoes, on bun	1	1	1	1	1	1	0															1	
27510590	Hamburger, with mayonnaise or salad dressing, on bun	1	1	1	1	1	1	0															1	
27510610	Hamburger, 1 oz meat, with tomato and/or catsup, on miniature bun	1	1	1	1	1	1	0														0		
27510620	Hamburger, 1/4 lb meat, with tomato and/or catsup, on bun	1	1	1	1	1	1	0														1		
27510630	Hamburger, 1/4 lb meat, with mayonnaise or salad dressing, on bun	1	1	1	1	1	1	0															1	
27510660	Double hamburger (2 patties), with mayonnaise or salad dressing, on bun	1	1	1	1	1	1	0															1	
27510670	Double hamburger (2 patties), with mayonnaise or salad dressing and tomatoes, on bun	1	1	1	1	1	1	0															1	
27510680	Double hamburger (2 patties, 1/4 lb meat each), with tomato and/or catsup, on bun	1	1	1	1	1	1	0														0		
27510690	Double hamburger (2 patties, 1/4 lb meat each), with mayonnaise or salad dressing and tomatoes and/or catsup, on double-decker bun	1	1	1	1	1	1	0														1	1	
27510700	Meatball and spaghetti sauce submarine sandwich	1	1	1	1	1	1	0														1		
27510700	Meatball and spaghetti sauce submarine sandwich	0	0	0	0	0	0	1														1		
27510710	Pizzaburger (hamburger, cheese, sauce) on 1/2 bun	1	1	1	1	1	1	0														0.226025237		
27510720	Pizzaburger (hamburger, cheese, sauce) on whole bun	1	1	1	1	1	1	0														0.181712556		
27510950	Reuben sandwich, corned beef sandwich with sauerkraut and cheese, with spread	0	0	0	0	0	0	1									0.165190961							
27510950	Reuben sandwich (corned beef sandwich with sauerkraut and cheese), with spread	1	1	1	1	1	1	0									0.165190961							
27513020	Roast beef sandwich, with gravy	1	1	1	1	1	1	0														0.381675221		
27513020	Roast beef sandwich, with gravy	0	0	0	0	0	0	1														0.381675221		
27513030	Roast beef sandwich (spiced) in egg, fried, with gravy and spread	1	1	1	1	0	0	0									0.378461538					0.325874126		
27513040	Roast beef submarine sandwich, with lettuce, tomato and spread	1	1	1	1	1	1	0									0.047619048							
27513040	Roast beef submarine sandwich, with lettuce, tomato and spread	0	0	0	0	0	0	1									0.047619048							
27513041	Roast beef submarine sandwich, with cheese, lettuce, tomato and spread	0	0	0	0	0	0	1									0.045454545							
27513041	Roast beef submarine sandwich, with cheese, lettuce, tomato and spread	0	0	0	0	0	0	1									0.045454545							
27513060	Roast beef sandwich with bacon and cheese sauce	1	1	1	1	1	1	0														0.082015231		
27513060	Roast beef sandwich with bacon and cheese sauce	0	0	0	0	0	0	1														0.082015231		
27515150	Steak patty (breaded, fried) sandwich, with mayonnaise or salad dressing, lettuce, and tomato, on bun	1	0	0	0	0	0	0															1	
27516010	Gyro sandwich (pita bread, beef, lamb, onion, condiments), with tomato and spread	0	0	0	0	0	0	1									0.106							
27516010	Gyro sandwich (pita bread, beef, lamb, onion, condiments), with tomato and spread	1	1	1	1	1	1	0									0.106							
27517000	Wrap sandwich filled with beef patty, cheese and spread and/or sauce	0	0	0	0	0	0	1									0.059194775					0.166590902		
27517000	Wrap sandwich filled with beef patty, cheese and spread and/or sauce	0	0	0	0	1	1	0									0.059194775					0.166590902		

Appendix A. List of food codes and Inferred proportions

	NHANES biennials					Reduced-fat margarine, reduced- sugar ketchup/mustard, and other reduced- fat/sugar condiments	Dry/wet seasoning and blends	Bakery cookies and pastry	Bakery reduced- fat cookies and pastry	RTD sport nutrition beverages	RTD beverages	Reduced- sugar cereals [RTE] and cereal bars	Candies	Confectionary	Dairy and imitation dairy products	Infant food: cereal	Infant food: bakery	Powdered beverage mix	Sauces, instant and prepared	Reduced-fat salad dressing, pourable and spoonable	Reduced-sugar snack-based fillings
27517010	Wrap sandwich filled with beef patty, cheese, tomato and/or catsup, and spread and/or sauce	0	0	0	1	1	0												0.161413397	0.050730983	
27518000	Wrap sandwich filled with beef patty, bacon, cheese, tomato and/or catsup, and spread and/or sauce	0	0	0	0	1	1	0											0.049123956	0.092844277	
27520110	Bacon sandwich, with spread	1	1	1	1	1	1	0											0.049501528		
27520120	Bacon sandwich, with spread	0	0	0	0	0	0	1											0.049501528		
27520120	Bacon and cheese sandwich, with spread	1	1	1	1	1	1	0											0.03658118		
27520120	Bacon and cheese sandwich, with spread	0	0	0	0	0	0	1											0.03658118		
27520130	Bacon, chicken, and tomato club sandwich, with lettuce and spread	1	1	1	1	1	1	0											0.049501528		
27520135	Bacon, chicken, and tomato club sandwich, with cheese, lettuce and spread	0	0	0	0	0	0	1											0.049501528		
27520135	Bacon, chicken, and tomato club sandwich, with cheese, lettuce and spread	0	0	1	1	1	1	0											0.049501528		
27520150	Bacon, lettuce, and tomato sandwich with spread	1	1	1	1	1	1	0											0.064525893		
27520150	Bacon, lettuce, and tomato sandwich with spread	0	0	0	0	0	0	1											0.064525893		
27520155	Bacon, lettuce, and tomato submarine sandwich, with spread	0	0	0	0	0	1	0											0.049501528		
27520155	Bacon, lettuce, and tomato submarine sandwich, with spread	0	0	0	0	0	0	1											0.049501528		
27520155	Bacon, lettuce, and tomato submarine sandwich, with spread	0	0	0	0	0	0	1											0.049501528		
27520155	Bacon, lettuce, tomato, and cheese submarine sandwich, with spread	0	0	0	0	0	1	0											0.03391882		
27520155	Bacon, lettuce, tomato, and cheese submarine sandwich, with spread	0	0	0	0	0	0	1											0.03391882		
27520160	Bacon, chicken, and tomato club sandwich, on multi-grain roll with lettuce and spread	0	0	0	0	0	0	1											0.02991453		
27520160	Bacon, chicken, and tomato club sandwich, on multi-grain roll with lettuce and spread	1	1	1	1	1	1	0											0.02991453		
27520165	Bacon, breaded fried chicken fillet, and tomato club with lettuce and spread	0	0	0	0	0	0	1											0.068028379		
27520165	Bacon, chicken fillet (breaded, fried), and tomato club with lettuce and spread	0	0	1	1	1	1	0											0.068028379		
27520166	Bacon, breaded fried chicken fillet, and tomato club sandwich with cheese, lettuce and spread	0	0	0	0	0	0	1											0.049501528		
27520166	Bacon, chicken fillet (breaded, fried), and tomato club sandwich with cheese, lettuce and spread	0	0	1	1	1	1	0											0.049501528		
27520300	Ham sandwich, with spread	1	1	1	1	1	1	0											0.057495296		
27520300	Ham sandwich, with spread	0	0	0	0	0	0	1											0.057495296		
27520310	Ham sandwich with lettuce and spread	1	1	1	1	1	1	0											0.03606379		
27520310	Ham sandwich with lettuce and spread	0	0	0	0	0	0	1											0.03606379		
27520320	Ham and cheese sandwich, with lettuce and spread	1	1	1	1	1	1	0											0.029447482		
27520320	Ham and cheese sandwich, with lettuce and spread	0	0	0	0	0	0	1											0.029447482		
27520350	Ham and cheese sandwich, with spread, grilled	1	1	1	1	1	1	0											0.032821754		
27520350	Ham and cheese sandwich, with spread, grilled	0	0	0	0	0	0	1											0.032821754		
27520360	Ham and cheese sandwich, on bun, with lettuce and spread	1	1	1	1	1	1	0											0.029447482		
27520360	Ham and cheese sandwich, on bun, with lettuce and spread	0	0	0	0	0	0	1											0.029447482		
27520390	Ham and cheese submarine sandwich, with lettuce, tomato and spread	0	1	1	1	1	1	0											0.049501528		
27520390	Ham and cheese submarine sandwich, on multi-grain roll, with lettuce, tomato and spread	1	0	0	0	0	0	0											0.049501528		
27520390	Ham and cheese submarine sandwich, with lettuce, tomato and spread	0	0	0	0	0	0	1											0.049501528		
27520410	Cuban sandwich, (Sandwich cubano), with spread	1	1	1	1	1	1	0											0.056170523		
27520410	Cuban sandwich, with spread	0	0	0	0	0	0	1											0.056170523		
27520420	Midnight sandwich, (Midnight), with spread	1	1	1	1	1	1	0											0.02545233		
27520420	Midnight sandwich, with spread	0	0	0	0	0	0	1											0.02545233		
27520500	Pork sandwich, on white roll, with onions, dill pickles and barbecue sauce	1	1	1	1	1	1	0												0.184989429	
27520500	Pork sandwich, on white roll, with onions, dill pickles and barbecue sauce	0	0	0	0	0	0	1											0.184989429		
27520530	Pork sandwich, with gravy	1	1	1	1	1	1	0											0.418472652		
27520530	Pork sandwich, with gravy	0	0	0	0	0	0	1											0.418472652		
27520540	Ham and tomato club sandwich, with lettuce and spread	1	1	1	1	1	1	0											0.117467803		
27520540	Ham and tomato club sandwich, with lettuce and spread	0	0	0	0	0	0	1											0.117467803		
27540110	Chicken sandwich, with spread	1	1	1	1	1	1	0											0.039026509		
27540110	Chicken sandwich, with spread	0	0	0	0	0	0	1											0.039026509		
27540111	Chicken sandwich, with cheese and spread	0	0	0	1	1	1	0											0.033106268		
27540111	Chicken sandwich, with cheese and spread	0	0	0	0	0	0	1											0.033106268		
27540120	Chicken salad or chicken spread sandwich	1	1	1	1	1	1	1											0.096436059		
27540150	Chicken fillet (breaded, fried) sandwich with lettuce, tomato and spread	1	1	1	1	1	1	0											0.049501528		

Appendix A. List of food codes and inferred proportions

		MHANES biennials						Reduced-fat mayonnaise, reduced- sugar ketchup/mustard, and other reduced- fat/sugar condiments	Oryz- mix seasoning and blends	Bakery cookies and pastry	Bakery reduced- fat cookies and pastry	RTD sport nutrition beverages	RTD beverages	Reduced- sugar cereals (RTE) and cereal bars	Candies	Confectionary	Dairy and imitation dairy products	Infant food: cereal	Infant food: bakery	Powdered beverage mix	Sauces, instant and prepared	Reduced-fat salad dressing, pourable and spoonable	Reduced-sugar snack-based fillings	
27540150	Chicken fillet, breaded, fried, sandwich with lettuce, tomato and spread	0	0	0	0	0	0	1															0.049501528	
27540151	Chicken fillet (breaded, fried) sandwich with cheese, lettuce, tomato and spread	0	0	0	1	1	1	0																0.049501528
27540151	Chicken fillet, breaded, fried, sandwich with cheese, lettuce, tomato and spread	0	0	0	0	0	0	0	1															0.049501528
27540170	Chicken patty sandwich, miniature, with spread	1	1	1	1	1	1	1	0															0.068451003
27540170	Chicken patty sandwich, miniature, with spread	0	0	0	0	0	0	0	1															0.068451003
27540190	Chicken patty sandwich, with lettuce and spread	1	1	1	1	1	1	1	0															0.049501528
27540190	Chicken patty sandwich, with lettuce and spread	0	0	0	0	0	0	0	1															0.049501528
27540210	Wrap sandwich filled with breaded fried chicken strips, cheese, lettuce, and spread	0	0	0	0	0	0	0	1															0.049501528
27540210	Wrap sandwich filled with chicken strips (breaded, fried), cheese, lettuce, and spread	0	0	1	1	1	1	0																0.049501528
27540230	Chicken patty sandwich with cheese, on wheat bun, with lettuce, tomato and spread	1	1	1	1	1	1	0																0.044142786
27540230	Chicken patty sandwich with cheese, on wheat bun, with lettuce, tomato and spread	0	0	0	0	0	0	0	1															0.044142786
27540235	Chicken fillet, broiled, sandwich with lettuce, tomato, and spread	0	1	1	1	1	1	1																0.049501528
27540240	Chicken fillet, broiled, sandwich, on whole wheat roll, with lettuce, tomato and spread	0	0	0	0	0	0	0	1															0.050184215
27540240	Chicken fillet, (broiled), sandwich, on whole wheat roll, with lettuce, tomato and spread	1	1	1	1	1	1	0																0.050184215
27540250	Chicken fillet, broiled, sandwich with cheese, on whole wheat roll, with lettuce, tomato and non-mayonnaise type spread	1	1	1	0	0	0	0																0.047961631
27540250	Chicken fillet, broiled, sandwich with cheese, on whole wheat roll, with lettuce, tomato and non-mayonnaise type spread	0	0	0	1	1	1	0																0.047961631
27540250	Chicken fillet, broiled, sandwich with cheese, on whole wheat roll, with lettuce, tomato and non-mayonnaise type spread	0	0	0	0	0	0	0	1															0.047961631
27540260	Chicken fillet, broiled, sandwich, on oat bran bun, with lettuce, tomato, spread	1	1	1	1	1	1	0																0.053209948
27540260	Chicken fillet, broiled, sandwich, on oat bran bun, with lettuce, tomato, spread	0	0	0	0	0	0	0	1															0.053209948
27540270	Chicken fillet, broiled, sandwich, with lettuce, tomato, and non-mayonnaise type spread	0	0	0	0	0	0	0	1															0.049501528
27540270	Chicken fillet, broiled, sandwich, with lettuce, tomato, and non-mayonnaise type spread	1	1	1	1	1	1	0																0.049501528
27540280	Chicken fillet, broiled, sandwich with cheese, on bun, with lettuce, tomato and spread	0	0	0	0	0	0	0	1															0.049501528
27540280	Chicken fillet, broiled, sandwich with cheese, on bun, with lettuce, tomato and spread	1	1	1	1	1	1	0																0.049501528
27540285	Chicken, bacon, and tomato club sandwich, with lettuce and spread	0	0	0	0	0	0	0	1															0.049501528
27540290	Chicken submarine sandwich, with lettuce, tomato, and spread	0	1	1	1	1	1	0																0.049501528
27540290	Chicken submarine sandwich, with lettuce, tomato and spread	0	0	0	0	0	0	0	1															0.049501528
27540291	Chicken submarine sandwich, with cheese, lettuce, tomato, and spread	0	0	0	1	1	1	0																0.049501528
27540291	Chicken submarine sandwich, with cheese, lettuce, tomato and spread	0	0	0	0	0	0	0	1															0.049501528
27540300	Wrap sandwich filled with broiled chicken strips, cheese, lettuce, and spread	0	0	0	0	0	0	0	1															0.049501528
27540300	Wrap sandwich filled with chicken strips (broiled), cheese, lettuce, and spread	0	0	1	1	1	1	0																0.049501528
27540310	Turkey sandwich, with spread	1	1	1	1	1	1	0																0.046382189
27540310	Turkey sandwich, with spread	0	0	0	0	0	0	0	1															0.046382189
27540320	Turkey salad or turkey spread sandwich	0	0	0	0	0	0	0	1															0.039517244
27540320	Turkey salad or turkey spread sandwich	1	1	1	1	1	1	0																0.039517244
27540330	Turkey sandwich, with gravy	1	1	1	1	1	1	0																0.4132171508
27540330	Turkey sandwich, with gravy	0	0	0	0	0	0	0	1															0.4132171508
27540350	Turkey submarine sandwich, with cheese, lettuce, tomato and spread	1	1	1	1	1	1	0																0.049501528
27540350	Turkey submarine sandwich, with cheese, lettuce, tomato and spread	0	0	0	0	0	0	0	1															0.049501528
27540360	Turkey and bacon submarine sandwich, with lettuce, tomato and spread	0	0	0	0	0	0	0	1															0.055116279
27540361	Turkey and bacon submarine sandwich, with cheese, lettuce, tomato and spread	0	0	0	0	0	0	0	1															0.057613169
27541000	Turkey, ham, and roast beef club sandwich, with lettuce, tomato and spread	0	0	1	1	1	1	0																0.045447034

Appendix A. List of food codes and Inferred proportions

		NHANES biennials					Reduced-fat mayonnaise, reduced- sugar ketchup/mustard, and other reduced- fat/sugar condiments	Oven-baked seasoning and blends	Bakery cookies and pastry	Bakery reduced- fat cookies and pastry	RTD sport nutrition beverages	RTD beverages	Reduced- sugar cereals (RTE) and cereal bars	Candies	Confectionary	Dairy and imitation dairy products	Infant food: cereal	Infant food: bakery	Powdered beverage mix	Sauces, instant and prepared	Reduced-fat salad dressing, pourable and spoonable	Reduced-sugar snack-based fillings
27541000	Turkey, ham, and roast beef club sandwich, with lettuce, tomato and spread	0	0	0	0	0	0	1							0.045447034							
27541001	Turkey, ham, and roast beef club sandwich with cheese, lettuce, tomato, and spread	0	0	0	1	1	1	0							0.049501528							
27541001	Turkey, ham, and roast beef club sandwich with cheese, lettuce, tomato, and spread	0	0	0	0	0	0	1							0.049501528							
27550000	Fish sandwich, on bun, with spread	1	1	1	1	1	1	0							0.049501528							
27550000	Fish sandwich, on bun, with spread	0	0	0	0	0	0	1							0.049501528							
27550100	Fish sandwich, on bun, with cheese and spread	1	1	1	1	1	1	0							0.075901328							
27550100	Fish sandwich, on bun, with cheese and spread	0	0	0	0	0	0	1							0.075901328							
27550510	Sardine sandwich, with lettuce and spread	1	1	1	1	1	1	0							0.075901328							
27550510	Sardine sandwich, with lettuce and spread	0	0	0	0	0	0	1							0.075901328							
27560000	Luncheon meat sandwich, HTS, with spread	1	1	1	1	1	1	0							0.049501528							
27560000	Luncheon meat sandwich, HTS, with spread	0	0	0	0	0	0	1							0.049501528							
27560110	Bologna sandwich, with spread	1	1	1	1	1	1	0							0.051533177							
27560110	Bologna sandwich, with spread	0	0	0	0	0	0	1							0.051533177							
27560120	Bologna and cheese sandwich, with spread	1	1	1	1	1	1	0							0.039076422							
27560120	Bologna and cheese sandwich, with spread	0	0	0	0	0	0	1							0.039076422							
27560340	Frankfurter or hot dog, with catsup and/or mustard, on bun	1	1	1	1	1	0	0											0			
27560500	Pepperoni and salami submarine sandwich, with lettuce, tomato and spread	0	0	0	0	0	0	1							0.066666667							
27560500	Pepperoni and salami submarine sandwich, with lettuce, tomato, and spread	0	0	0	0	1	0	0							0.066666667							
27560500	Pepperoni and salami submarine sandwich, with lettuce, tomato, and spread	0	0	0	0	0	1	0							0.066666667							
27560510	Salami sandwich, with spread	1	1	1	1	1	1	0							0.051736789							
27560510	Salami sandwich, with spread	0	0	0	0	0	0	1							0.051736789							
27560720	Sausage and spaghetti sauce sandwich	1	1	1	1	1	1	0											0.237113402			
27560720	Sausage and spaghetti sauce sandwich	0	0	0	0	0	0	1											0.237113402			
27560910	Cold cut submarine sandwich, with cheese, lettuce, tomato, and spread	0	0	1	1	1	1	0							0.049501528							
27560910	Cold cut submarine sandwich, with cheese, lettuce, tomato and spread	0	0	0	0	0	0	1							0.049501528							
27563010	Meat spread or potted meat sandwich	1	1	1	1	1	1	0							0.50310559							
27570310	Hors d'oeuvres, with spread	1	1	1	1	1	1	0							0.089418211							
27570310	Hors d'oeuvres, with spread	0	0	0	0	0	0	1							0.089418211							
28110220	Sirloin, chopped, with gravy, mashed potatoes, vegetable (frozen meal)	1	1	1	1	1	1	0											0.29503501			
28110220	Sirloin, chopped, with gravy, mashed potatoes, vegetable, frozen meal	0	0	0	0	0	0	1											0.29503501			
28110250	Sirloin tips with gravy, potatoes, vegetable (frozen meal)	1	1	1	1	1	1	0											0.131408451			
28110250	Sirloin tips, with gravy, potatoes, vegetable, frozen meal	0	0	0	0	0	0	1											0.131408451			
28110270	Sirloin beef with gravy, potatoes, vegetable (frozen meal)	1	1	1	1	1	1	0											0.258732212			
28110270	Sirloin beef, with gravy, potatoes, vegetable, frozen meal	0	0	0	0	0	0	1											0.258732212			
28110310	Salisbury steak with gravy, potatoes, vegetable (frozen meal)	1	1	1	1	1	1	0											0.336780866			
28110310	Salisbury steak with gravy, potatoes, vegetable, frozen meal	0	0	0	0	0	0	1											0.336780866			
28110330	Salisbury steak with gravy, whipped potatoes, vegetable, dessert, frozen meal	0	0	0	0	0	0	1											0.443343653			
28110330	Salisbury steak with gravy, whipped potatoes, vegetable, dessert (frozen meal)	1	1	1	1	1	1	0											0.443343653			
28110340	Salisbury steak with gravy, potatoes, vegetable, soup or macaroni and cheese, dessert, frozen meal	0	0	0	0	0	0	1											0.353324035			
28110340	Salisbury steak with gravy, potatoes, vegetable, soup or macaroni and cheese, dessert (frozen meal)	1	1	1	1	1	1	0											0.353324035			
28110350	Salisbury steak with gravy, potatoes, vegetable, dessert, frozen meal	0	0	0	0	0	0	1											0.367101938			
28110350	Salisbury steak with gravy, potatoes, vegetable, dessert (frozen meal, large meal portion)	1	1	1	1	1	1	0											0.367101938			
28110370	Salisbury steak with gravy, macaroni and cheese, vegetable, frozen meal	0	0	0	0	0	0	1											0.26552795			
28110370	Salisbury steak with gravy, macaroni and cheese, vegetable (frozen meal)	1	1	1	1	1	1	0											0.26552795			
28110380	Salisbury steak with gravy, macaroni and cheese (frozen meal)	1	1	1	1	1	1	0											0.468399291			
28110380	Salisbury steak with gravy, macaroni and cheese, frozen meal	0	0	0	0	0	0	1											0.468399291			
28110510	Beef, sliced, with gravy, potatoes, vegetable (frozen meal)	1	1	1	1	1	1	0											0.457403392			

Appendix A. List of food codes and Inferred proportions

		NHANES Biennials					Reduce-fat margarine, reduced- sugar ketchup/mustard, and other reduced- fat/sugar condiments	Oryzini seasoning and blends	Bakery cookies and pastry	Bakery reduced- fat cookies and pastry	RTD sport nutrition beverages	RTD beverages	Reduce- sugar cereals (RTE) and cereal bars	Candies	Confectionary	Dairy and imitation dairy products	Infant food: cereal	Infant food: bakery	Powdered beverage mix	Sauces, instant and prepared	Reduced-fat salad dressing, pourable and spoonable	Reduced-sugar snack-based fillings
28110510	Beef, sliced, with gravy, potatoes, vegetable, frozen meal	0	0	0	0	0	0	1											0.457403332			
28110620	Beef short ribs, boneless, with barbecue sauce, potatoes, vegetable, frozen meal	0	0	0	0	0	0	1											0.208027523			
28110620	Beef short ribs, boneless, with barbecue sauce, potatoes, vegetable (frozen meal)	1	1	1	1	1	1	0											0.208027523			
28110640	Meatballs, Swedish, in sauce, with noodles (frozen meal)	1	1	1	1	1	1	0											0.365741729			
28110640	Meatballs, Swedish, in sauce, with noodles, frozen meal	0	0	0	0	0	0	1											0.365741729			
28110660	Meatballs, Swedish, in gravy, with noodles, diet frozen meal	0	0	0	0	0	0	1											0.276386404			
28110660	Meatballs, Swedish, in gravy, with noodles (diet frozen meal)	1	1	1	1	1	1	0											0.276386404			
28113110	Salisbury steak, baked, with tomato sauce, vegetable (diet frozen meal)	1	1	1	1	1	1	0											0.155771386			
28113110	Salisbury steak, baked, with tomato sauce, vegetable, diet frozen meal	0	0	0	0	0	0	1											0.155771386			
28120310	Pork with rice, vegetable, in soy based sauce (diet frozen meal)	1	1	1	1	0	0	0											0.205480931			
28133110	Veal, breaded, with spaghetti, in tomato sauce (frozen meal)	1	1	1	1	1	1	0											0.535842294			
28133110	Veal, breaded, with spaghetti, in tomato sauce, frozen meal	0	0	0	0	0	0	1											0.535842294			
28133220	Veal with peppers in sauce, rice (diet frozen meal)	1	1	1	1	0	0	0											0.443410103			
28140250	Chicken, boneless, with gravy, dressing, rice, vegetable, dessert, frozen meal	0	0	0	0	0	0	1											0.286640159			
28140250	Chicken, boneless, with gravy, dressing, rice, vegetable, dessert (frozen meal, large meal portion)	1	1	1	1	1	1	0											0.226640159			
28140730	Chicken patty, breaded, with tomato sauce and cheese, lettuce Alfredo, vegetable, frozen meal	0	0	0	0	0	0	1											0.219541224			
28140730	Chicken patty, breaded, with tomato sauce and cheese, lettuce Alfredo, vegetable (frozen meal)	1	1	1	1	1	1	0											0.219541224			
28140740	Chicken patty or nuggets, boneless, breaded, with pasta and tomato sauce, fruit, dessert, frozen meal	0	0	0	0	0	0	1											0.662318704			
28140740	Chicken patty, or nuggets, boneless, breaded, with pasta and tomato sauce, fruit, dessert (frozen meal)	1	1	1	1	1	1	0											0.662318704			
28141610	Chicken and vegetables in cream or white sauce (diet frozen meal)	1	1	1	1	1	1	0											0.129539999			
28141610	Chicken and vegetables in cream or white sauce, diet frozen meal	0	0	0	0	0	0	1											0.129539999			
28143080	Chicken with noodles and cheese sauce (diet frozen meal)	1	1	1	1	1	1	0											0.354656632			
28143080	Chicken with noodles and cheese sauce, diet frozen meal	0	0	0	0	0	0	1											0.354656632			
28143170	Chicken in cream sauce with noodles and vegetable (frozen meal)	1	1	1	1	1	1	0											0.633862751			
28143170	Chicken in cream sauce with noodles and vegetable, frozen meal	0	0	0	0	0	0	1											0.633862751			
28143180	Chicken in butter sauce with potatoes and vegetable, diet frozen meal	0	0	0	0	0	0	1											0.175738725			
28143180	Chicken in butter sauce with potatoes and vegetable (diet frozen meal)	1	1	1	1	1	1	0											0.175738725			
28143190	Chicken in mushroom sauce, white and wild rice, vegetable, frozen meal	0	0	0	0	0	0	1											0.159574468			
28143190	Chicken in mushroom sauce, white and wild rice, vegetable (frozen meal)	1	1	1	1	1	1	0											0.159574468			
28143200	Chicken in soy based sauce, rice and vegetables, frozen meal	0	0	0	0	0	0	1											0.329			
28143200	Chicken in soy based sauce, rice and vegetables (frozen meal)	1	1	1	1	1	1	0											0.329			
28143210	Chicken in orange sauce with almond rice (diet frozen meal)	1	1	1	1	1	1	0											0.277027149			
28143210	Chicken in orange sauce with almond rice, diet frozen meal	0	0	0	0	0	0	1											0.277027149			
28143220	Chicken in barbecue sauce, with rice, vegetable and dessert, reduced fat and sodium (diet frozen meal)	1	1	1	1	1	0	0											0.236538922			
28144100	Chicken and vegetable entree with noodles and cream sauce (frozen meal)	1	1	1	1	1	1	0											0.277272727			
28144100	Chicken and vegetable entree with noodles and cream sauce, frozen meal	0	0	0	0	0	0	1											0.277272727			
28145100	Turkey with dressing, gravy, vegetable and fruit (diet frozen meal)	1	1	1	1	1	1	0											0.204795205			
28145100	Turkey with gravy, dressing, vegetable and fruit, diet frozen meal	0	0	0	0	0	0	1											0.204795205			
28145210	Turkey with gravy, dressing, potatoes, vegetable (frozen meal)	1	1	1	1	1	1	0											1			

Appendix A. List of food codes and inferred proportions

		NHANES biennials					Reduced-fat mayonnaise, reduced-sugar ketchup/mustard, and other reduced-fat/sugar condiments	Dry-mix seasoning and blends	Bakery cookies and pastry	Bakery reduced-fat cookies and pastry	RTD sport nutrition beverages	RTD beverages	Reduced-sugar cereals (RTE) and cereal bars	Candies	Confectionary	Dairy and imitation dairy products	Infant food: cereal	Infant food: bakery	Powdered beverage mix	Sauces, instant and prepared	Reduced-fat salad dressing, pourable and spoonable	Reduced-sugar snack-based fillings
28145210	Turkey with gravy, dressing, potatoes, vegetable, frozen meal	0	0	0	0	0	0	1											1			
28145610	Turkey with gravy, dressing, potatoes, vegetable, dessert, frozen meal	0	0	0	0	0	0	0	1											0.456155143		
28145610	Turkey with gravy, dressing, potatoes, vegetable, dessert (frozen meal, large meat portion)	1	1	1	1	1	1	0												0.456155143		
28150370	Rounder in cream sauce with potatoes, carrots (diet frozen meal)	1	1	1	1	0	0	0												0.312043795		
28150510	Fish in lemon-butter sauce with starch item, vegetable (frozen meal)	1	1	1	1	1	1	0												0.278609946		
28150510	Fish in lemon butter sauce with starch item, vegetable, frozen meal	0	0	0	0	0	0	0	1											0.378609246		
28153010	Shrimp and clams in tomato-based sauce, with noodles (frozen meal)	1	1	1	1	1	1	0												0.426651681		
28153010	Shrimp and clams in tomato-based sauce, with noodles, frozen meal	0	0	0	0	0	0	1												0.426651681		
28154010	Shrimp and vegetables in sauce with noodles (diet frozen meal)	1	1	1	1	1	1	0												0.238285224		
28154010	Shrimp and vegetables in sauce with noodles, diet frozen meal	0	0	0	0	0	0	1												0.238285224		
28160710	Stuffed cabbage, with meat and tomato sauce (diet frozen meal)	1	1	1	1	1	1	0												0.511795632		
28160710	Stuffed cabbage, with meat and tomato sauce, diet frozen meal	0	0	0	0	0	0	1												0.511795632		
28310130	Beef, broth, bouillon, or consommé, dry, not reconstituted	1	1	1	1	0	0	0														
28310140	Beef, broth, bouillon, or consommé, low sodium, dry, not reconstituted	1	1	1	1	0	0	0														
28340140	Chicken broth, bouillon, or consommé, dry, not reconstituted	1	1	1	1	0	0	0														
28400000	Gelatin drink, powder, unflavored, unsweetened, reconstituted	1	1	1	1	0	0	0														
28401200	Gelatin drink, powder, flavored, with low-calorie sweetener, reconstituted	1	1	1	1	0	0	0														
28500000	Gravy, poultry	1	1	1	1	1	1	1														
28500010	Gravy, meat or poultry, with wine	0	0	0	0	0	0	1														
28500010	Gravy, meat or poultry, with wine	1	1	1	1	1	1	0														
28500020	Gravy, meat, with fruit	1	1	1	1	1	1	0														
28500020	Gravy, meat, with fruit	0	0	0	0	0	0	1														
28500030	Gravy, poultry, low sodium	1	1	1	1	1	1	1														
28500040	Gravy, beef or meat	0	0	0	0	0	0	1														
28500040	Gravy, beef or meat	1	1	1	1	1	1	0														
28500050	Gravy, giblet	0	0	0	0	0	0	1														
28500050	Gravy, giblet	1	1	1	1	1	1	0														
28500060	Gravy, beef or meat, low sodium	1	1	1	1	1	1	1														
28500070	Gravy, beef or meat, home recipe	1	1	1	1	1	1	1														
28500080	Gravy, poultry, home recipe	1	1	1	1	1	1	1														
28500100	Gravy, mushroom	1	1	1	1	1	1	1														
28500150	Gravy, red-eye	1	1	1	1	1	1	1														
28501010	Gravy, beef or meat, fat free	0	0	0	0	0	0	0														
28501010	Gravy, beef or meat, fat free	1	1	1	1	1	1	0														
28501110	Gravy, poultry, fat free	1	1	1	1	1	1	1														
28510010	Gravy or sauce, poultry-based from Puerto Rican-style chicken fricasse	0	0	0	0	0	0	1														
28510010	Gravy or sauce, poultry-based from Puerto Rican-style chicken fricasse	1	1	1	1	1	1	0														
28510020	Gravy, meat-based, from Puerto Rican style stuffed pot roast	1	1	1	1	1	1	0														
28510020	Gravy, meat-based, from Puerto Rican style stuffed pot roast	0	0	0	0	0	0	1														
28510030	Gravy, meat-based, from Puerto Rican style beef stew	1	1	1	1	1	1	0														
28510030	Gravy, meat-based, from Puerto Rican style beef stew	0	0	0	0	0	0	1														
28520000	Gravy or sauce, made with soy sauce, stock or bouillon, cornstarch	0	0	0	0	0	0	1														
28520000	Gravy or sauce, Chinese (soy sauce, stock or bouillon, cornstarch)	1	1	1	1	1	1	0														
28520100	Oyster-flavored sauce	1	1	1	1	1	1	1														
28522000	Mole poblano (sauce)	1	1	1	1	1	1	0														
28522000	Mole poblano sauce	0	0	0	0	0	0	1														
28522050	Mole verde (sauce)	1	1	1	1	1	1	0														
28522050	Mole verde sauce	0	0	0	0	0	0	1														
32101000	Egg salad, made with mayonnaise	0	0	0	0	0	0	1														
32101000	Egg salad, made with mayonnaise	0	0	0	0	0	0	1														
32101015	Egg salad, made with light mayonnaise	0	0	0	0	0	0	1														
32101015	Egg salad, made with light mayonnaise	0	0	0	0	1	1	0	0.209581985													

Appendix A. List of food codes and inferred proportions

NHANES biennials			Reduced-fat mayonnaise, reduced- sugar ketchup/mustard, and other reduced- fat/sugar condiments	Dry-mix seasoning and blends	Bakery cookies and pastry	Bakery reduced- fat cookies and pastry	RTD sport nutrition beverages	RTD beverages	Reduced- sugar cereals (RTG) and cereal bars	Candies	Confectionary	Dairy and imitation dairy products	Infant food: cereal	Infant food: bakery	Powdered beverage mix	Sauces, instant and prepared	Reduced-fat salad dressings, poussable and spoonable	Reduced-sugar snack-based fillings
42500000	Trail mix, NFS	0	0	0	0	0	0	0	1									
42500100	Trail mix with nuts	0	0	0	0	0	0	0	1									
42501000	Trail mix with nuts and fruit	0	0	0	0	0	0	0	1									
42501500	Trail mix with chocolate	0	0	0	0	0	0	0	1									
42502100	Trail mix with pretzels, cereal, or granola	0	0	0	0	0	0	0	1									
43103100	Sesame sauce	1	1	1	1	1	1	1	0							1		
51165000	Coffee cake, yeast type	1	1	1	1	1	1	1	1									
51165060	Coffee cake, yeast type, made from home recipe or purchased at a bakery	1	1	1	1	1	0	0	0									
51165100	Coffee cake, yeast type, fat free, cholesterol free, with fruit	1	1	1	1	0	0	0	0									
52207010	Corn flour patty or tart, fried	1	1	1	1	1	1	1	0									
52207010	Corn flour patty or tart, fried	0	0	0	0	0	0	0	1									
52308010	Matzo, fritters	1	1	1	1	0	0	0	0									
53100100	Cake, NS as to type, with or without icing	1	1	1	1	0	0	0	0									
53101000	Cake, angel food, NS as to icing	1	1	1	1	0	0	0	0									
53101200	Cake, angel food, with icing	1	1	1	1	0	0	0	0									
53101200	Cake, angel food, with icing or filling	0	0	0	0	0	1	1	0									1
53101200	Cake, angel food, with icing or filling	0	0	0	0	0	0	0	1									1
53101250	Cake, angel food, with fruit and icing or filling	1	1	1	1	1	1	1	0									1
53101250	Cake, angel food, with fruit and icing or filling	0	0	0	0	0	0	0	1									1
53102000	Cake, applesauce, NS as to icing	1	1	1	1	0	0	0	0									1
53102200	Cake, applesauce, with icing	0	0	0	1	0	0	0	0									1
53102200	Cake or cupcake, applesauce, with icing or filling	0	0	0	0	0	0	0	1									1
53102200	Cake or cupcake, applesauce, with icing or filling	0	0	0	0	0	1	1	0									1
53102200	Cake, applesauce, with icing	1	1	1	1	0	0	0	0									1
53102500	Cake, banana, NS as to icing	1	1	1	1	0	0	0	0									1
53102700	Cake or cupcake, banana, with icing or filling	0	0	0	0	0	0	1	0									1
53102700	Cake or cupcake, banana, with icing or filling	0	0	0	0	0	1	1	0									1
53102700	Cake, banana, with icing	1	1	1	1	0	0	0	0									1
53102700	Cake, banana, with icing	0	0	0	1	0	0	0	0									1
53102800	Cake or cupcake, black forest	0	0	0	0	0	0	1	1									1
53102800	Cake or cupcake, black forest (chocolate cherry)	0	0	0	0	0	1	1	0									1
53102800	Cake, black forest (chocolate cherry)	1	1	1	1	0	0	0	0									1
53103000	Cake, bottom cream pie	1	1	1	1	1	1	1	1									1
53103500	Cake, butter, NS as to icing	1	1	1	1	0	0	0	0									1
53103600	Cake, butter, with icing	1	1	1	1	0	0	0	0									1
53104000	Cake, carrot, NS as to icing	1	1	1	1	0	0	0	0									1
53104260	Cake or cupcake, carrot, with icing or filling	0	0	0	0	0	1	1	0									1
53104260	Cake or cupcake, carrot, with icing or filling	0	0	0	0	0	0	0	1									1
53104260	Cake, carrot, with icing	1	1	1	1	0	0	0	0									1
53104300	Cake, carrot, diet	0	0	0	0	0	0	0	0									1
53104300	Cake, carrot, diet	1	1	1	1	1	1	1	0									1
53104400	Cake or cupcake, coconut, with icing or filling	0	0	0	0	0	0	0	1									1
53104400	Cake or cupcake, coconut, with icing or filling	0	0	0	0	0	1	1	0									1
53104400	Cake, coconut, with icing	1	1	1	1	0	0	0	0									1
53104400	Cake, coconut, with icing	0	0	0	1	0	0	0	0									1
53104900	Cake, chocolate, made with mayonnaise or salad dressing, NS as to icing	1	1	1	1	0	0	0	0									1
53104920	Cake, chocolate, made with mayonnaise or salad dressing, without icing or filling	1	1	1	1	0	0	0	0									1
53104950	Cake, chocolate, made with mayonnaise or salad dressing, with icing, coating, or filling	1	1	1	1	0	0	0	0									1
53105000	Cake, chocolate, devil's food, or fudge, standard type mix (eggs and water added to dry mix), NS as to icing	1	1	1	1	0	0	0	0									1
53105050	Cake, chocolate, devil's food, or fudge, made from home recipe or purchased ready-to-eat, NS as to icing	1	1	1	1	0	0	0	0									1
53105200	Cake, chocolate, devil's food, or fudge, standard type mix (eggs and water added to dry mix), with icing, coating, or filling	1	1	1	1	0	0	0	0									1
53105260	Cake, chocolate, devil's food, or fudge, with icing, coating, or filling, made from home recipe or purchased ready-to-eat	1	1	1	1	0	0	0	0									1
53105270	Cake or cupcake, chocolate, devil's food or fudge, with icing or filling	0	0	0	0	0	1	1	0									1
53105270	Cake or cupcake, chocolate, devil's food or fudge, with icing or filling	0	0	0	0	0	0	0	1									1
53105300	Cake or cupcake, German chocolate, with icing or filling	0	0	0	0	0	0	0	0									1
53105300	Cake or cupcake, German chocolate, with icing or filling	0	0	0	0	0	1	1	0									1
53105300	Cake, German chocolate, with icing and filling	1	1	1	0	0	0	0	0									1
53105300	Cake, German chocolate, with icing and filling	0	0	0	1	0	0	0	0									1
53105500	Cake, chocolate, with icing, diet	1	1	1	1	1	1	1	0									1
53105500	Cake, chocolate, with icing, diet	0	0	0	0	0	0	0	1									1

Appendix A. List of food codes and inferred proportions

	NHANES biennials	Reduced-fat margarine, reduced- sugar ketchup/mustard, and other reduced- fat/sugar condiments	Dry-mix seasoning and blends	Savory cookies and pastry	Bakery reduced- fat cookies and pastry	RTD sport nutrition beverages	RTD beverages	Reduced- sugar cereals (RTS) and cereal bars	Candies	Confectionary	Dairy and imitation dairy products	Infant food: cereal	Infant food: bakery	Powdered beverage mix	Sauces, instant and prepared	Reduced-fat salad dressings, pourable and spoonable	Reduced-sugar snack-based fillings
53105600	Cake, chocolate, devil's food, or fudge, pudding-type mix, made by "Lite" recipe (eggs and water added to dry mix, no oil added to dry mix), with icing, coating, or filling	1	1	1	1	0	0	0		1							1
53105650	Cake, chocolate, devil's food, or fudge, pudding-type mix, made by "cholesterol free" recipe (water, oil and egg whites added to dry mix), NS as to icing or filling	1	1	1	1	0	0	0		1							1
53105700	Cake, chocolate, devil's food, or fudge, pudding-type mix, made by "cholesterol free" recipe (water, oil and egg whites added to dry mix), without icing or filling	1	1	1	1	0	0	0		1							
53105750	Cake, chocolate, devil's food, or fudge, pudding-type mix, made by "cholesterol free" recipe (water, oil and egg whites added to dry mix), with "light" icing, coating or filling	1	1	1	1	0	0	0		1							1
53105900	Cake, chocolate, devil's food, or fudge, pudding-type mix (oil, eggs, and water added to dry mix), NS as to icing	1	1	1	1	0	0	0		1							
53106000	Cake, chocolate, devil's food, or fudge, pudding-type mix (oil, eggs, and water added to dry mix), without icing or filling	1	1	1	1	0	0	0		1							
53106050	Cake, chocolate, devil's food, or fudge, pudding-type mix (oil, eggs, and water added to dry mix), with icing, coating, or filling	1	1	1	1	0	0	0		1							1
53107000	Cake, cupcake, NS as to type or icing	1	1	1	1	0	0	0		1							
53107200	Cake, cupcake, NS as to type, with icing	1	1	1	1	0	0	0		1							
53108000	Cake, cupcake, chocolate, NS as to icing	1	1	1	1	0	0	0		1							
53108100	Cake, cupcake, chocolate, with icing or filling	1	1	1	1	0	0	0		1							1
53108200	Snack cake, chocolate, with icing or filling	0	0	0	0	1	1	1		1							1
53108220	Snack cake, chocolate, with icing or filling, reduced fat and calories	0	0	0	0	1	1	0		1							1
53108220	Snack cake, chocolate, with icing or filling, reduced fat and calories	0	0	0	0	0	0	1		1							1
53109000	Cake, cupcake, not chocolate, NS as to icing	1	1	1	1	0	0	0		1							
53109200	Cake, cupcake, not chocolate, with icing or filling	1	1	1	1	0	0	0		1							1
53109200	Snack cake, not chocolate, with icing or filling	0	0	0	0	1	1	1		1							1
53109210	Cake, cupcake, not chocolate, with icing or filling, lowfat, cholesterol free	1	1	1	1	0	0	0		1							1
53109220	Snack cake, not chocolate, with icing or filling, reduced fat and calories	0	0	0	0	1	1	0		1							1
53109220	Snack cake, not chocolate, with icing or filling, reduced fat and calories	0	0	0	0	0	0	1		1							1
53109250	Cake, cupcake, not chocolate, with fruit and cream filling	1	1	1	1	0	0	0		1		1					1
53109270	Cake, cupcake, chocolate, with or without icing, fruit filling or cream filling, lowfat, cholesterol free	1	1	1	1	0	0	0		1		1					
53109300	Cake, Dobos Torte	0	0	0	0	0	0	0		1							
53109310	Cake, Dobos Torte (non-chocolate layer cake with chocolate filling and icing)	1	1	1	1	1	1	1		1							1
53111000	Cake or cupcake, gingerbread	0	0	0	0	1	1	1		1							
53112000	Cake, ice cream and cake roll, chocolate	1	1	1	1	1	1	0		1		1					
53112000	Cake, ice cream and cake roll, chocolate	0	0	0	0	0	0	1		1		1					
53112100	Cake, ice cream and cake roll, not chocolate	1	1	1	1	1	1	0		1		1					
53112100	Cake, ice cream and cake roll, not chocolate	0	0	0	0	0	0	1		1		1					
53112150	Cake, frozen yogurt and cake layer, not chocolate, with icing	1	1	1	1	0	0	0		1		1					
53112160	Cake, frozen yogurt and cake layer, chocolate, with icing	1	1	1	1	0	0	0		1		1					
53112500	Cake, ice box with fruit and whipped cream	1	1	1	1	0	0	0		1		1					
53113000	Cake, jellyroll	1	1	1	1	1	1	1		1							
53113950	Cake, lemon, NS as to icing	1	1	1	1	1	0	0		1							
53114100	Cake or cupcake, lemon, with icing or filling	0	0	0	0	0	0	1		1							1
53114100	Cake or cupcake, lemon, with icing or filling	0	0	0	0	1	1	0		1							1
53114100	Cake, lemon, with icing	1	1	1	1	0	0	0		1							
53114100	Cake, lemon, with icing	0	0	0	1	0	0	0		1							
53114150	Cake, lemon, lowfat, NS as to icing	1	1	1	1	0	0	0		1							
53114250	Cake, lemon, lowfat, with icing	1	1	1	1	0	0	0		1							
53115000	Cake, marble, NS as to icing	1	1	1	1	0	0	0		1							
53115200	Cake or cupcake, marble, with icing or filling	0	0	0	0	1	1	1		1							1
53115200	Cake, marble, with icing	1	1	1	1	0	0	0		1							
53115300	Cake, nut, NS as to icing	1	1	1	1	0	0	0		1							
53115320	Cake or cupcake, nut, with icing or filling	0	0	0	0	0	0	1		1							1
53115320	Cake or cupcake, nut, with icing or filling	0	0	0	0	1	1	0		1							1
53115320	Cake, nut, with icing	1	1	1	1	0	0	0		1							
53115320	Cake, nut, with icing	0	0	0	1	0	0	0		1							
53115410	Cake or cupcake, oatmeal	0	0	0	0	1	1	1		1							
53115410	Cake, oatmeal, with icing	1	1	1	1	0	0	0		1							

Appendix A. List of food codes and inferred proportions

		HHANES biennials		Reduced-fat margarine, reduced- sugar ketchup/mustard, and other reduced- fat/sugar condiments	Dry-mix seasoning and blends	Bakery cookies and pastry	Bakery reduced- fat cookies and pastry	RTD sport nutrition beverages	RTD beverages	Reduced- sugar cereals (RTE) and cereal bars	Candies	Confectionary	Dairy and imitation dairy products	Infant food: cereal	Infant food: bakery	Powdered beverage mix	Sauces, instant and prepared	Reduced-fat salad dressing, poussins and spoonable	Reduced-sugar snack-based fillings
53115450	Cake or cupcake, peanut butter	0	0	0	0	1	1	1	1			1							
53115450	Cake, peanut butter, with icing	1	1	1	1	0	0	0	0			1							
53116020	Cake, pound, with icing	1	1	1	1	0	0	0	0			1							
53116020	Cake, pound, with icing or filling	0	0	0	0	1	1	0	0			1							1
53116020	Cake, pound, with icing or filling	0	0	0	0	0	0	0	0			1							1
53116490	Cake, pumpkin, NS as to icing	1	1	1	1	0	0	0	0			1							
53116510	Cake or cupcake, pumpkin, with icing or filling	0	0	0	0	0	0	0	0			1							1
53116510	Cake or cupcake, pumpkin, with icing or filling	0	0	0	0	0	0	1	1			1							1
53116510	Cake, pumpkin, with icing	1	1	1	1	0	0	0	0			1							
53116550	Cake or cupcake, raisin nut	0	0	0	0	1	1	1	1			1							
53116560	Cake, raisin nut, with icing	1	1	1	1	0	0	0	0			1							
53117000	Cake, spice, NS as to icing	1	1	1	1	0	0	0	0			1							
53117200	Cake or cupcake, spice, with icing or filling	0	0	0	0	0	0	0	0			1							1
53117200	Cake or cupcake, spice, with icing or filling	0	0	0	0	0	1	1	0			1							1
53117200	Cake, spice, with icing	1	1	1	0	0	0	0	0			1							
53117200	Cake, spice, with icing	0	0	0	1	0	0	0	0			1							
53118000	Cake, sponge, NS as to icing	1	1	1	1	0	0	0	0			1							
53118200	Cake, sponge, with icing	1	1	1	1	0	0	0	0			1							
53118200	Cake, sponge, with icing or filling	0	0	0	0	1	1	0	0			1							1
53118200	Cake, sponge, with icing or filling	0	0	0	0	0	0	0	1			1							1
53118300	Cake, sponge, chocolate	0	0	0	0	1	1	1	1			1							
53118310	Cake, sponge, chocolate, with icing	1	1	1	1	0	0	0	0			1							
53118350	Cake, sweet potato, with icing	1	1	1	1	0	0	0	0			1							
53118500	Cake, torte	1	1	1	1	1	1	1	1			1							
53118600	Cake, chiffon, NS as to icing	1	1	1	1	0	0	0	0			1							
53118600	Cake, chiffon, with icing	1	1	1	1	0	0	0	0			1							
53118950	Cake, chiffon, chocolate, with icing	1	1	1	1	0	0	0	0			1							
53120000	Cake, white, standard-type mix (egg whites and water added), NS as to icing	1	1	1	1	0	0	0	0			1							
53120060	Cake, white, made from home recipe or purchased ready-to-eat, NS as to icing	1	1	1	1	0	0	0	0			1							
53120200	Cake, white, standard-type mix (egg whites and water added to mix), with icing	1	1	1	1	0	0	0	0			1							
53120260	Cake, white, with icing, made from home recipe or purchased ready-to-eat	1	1	1	1	0	0	0	0			1							
53120270	Cake or cupcake, white, with icing or filling	0	0	0	0	1	1	1	1			1							1
53120300	Cake, white, pudding-type mix (oil, egg whites, and water added to dry mix), NS as to icing	1	1	1	1	0	0	0	0			1							
53120350	Cake, white, pudding-type mix (oil, egg whites, and water added to dry mix), with icing	1	1	1	1	0	0	0	0			1							
53121000	Cake, yellow, standard-type mix (eggs and water added to dry mix), NS as to icing	1	1	1	1	0	0	0	0			1							
53121060	Cake, yellow, made from home recipe or purchased ready-to-eat, NS as to icing	1	1	1	1	0	0	0	0			1							
53121200	Cake, yellow, standard-type mix (eggs and water added to dry mix), with icing	1	1	1	1	0	0	0	0			1							
53121260	Cake, yellow, with icing, made from home recipe or purchased ready-to-eat	1	1	1	1	0	0	0	0			1							
53121270	Cake or cupcake, yellow, with icing or filling	0	0	0	0	0	1	1	1			1							1
53121280	Cake, yellow, pudding-type mix (oil, eggs, and water added to dry mix), NS as to icing	1	1	1	1	0	0	0	0			1							
53121330	Cake, yellow, pudding-type mix (oil, eggs, and water added to dry mix), with icing	1	1	1	1	0	0	0	0			1							
53122070	Cake, shortcake, biscuit type, with whipped cream and fruit	0	0	0	0	0	0	0	0			1							
53122070	Cake, shortcake, biscuit type, with whipped cream and fruit	1	1	1	1	1	1	1	1			1							
53123070	Cake, shortcake, sponge type, with whipped cream and fruit	0	0	0	0	0	0	0	0			1							
53123070	Cake, shortcake, sponge type, with whipped cream and fruit	1	1	1	1	1	1	1	1			1							
53123500	Cake, shortcake, with whipped topping and fruit, diet	1	1	1	1	1	1	1	1			1							
53123500	Cake, shortcake, with whipped topping and fruit, diet	0	0	0	0	0	0	0	0			1							
53124100	Cake, zucchini, NS as to icing	1	1	1	1	0	0	0	0			1							
53124110	Cake or cupcake, zucchini	0	0	0	0	1	1	1	1			1							
53124120	Cake, zucchini, with icing	1	1	1	1	0	0	0	0			1							
53200100	Cookie, batter or dough, raw, not chocolate	1	1	1	1	0	0	0	0			1							
53200100	Cookie, batter or dough, raw	0	0	0	0	1	1	1	1			1							
53201000	Cookie, NIS	1	1	1	1	1	1	1	1			1							
53202000	Cookie, almond	1	1	1	1	1	1	1	1			1							
53203000	Cookie, apple/raisin	1	1	1	1	1	1	1	1			1							
53203050	Cookie, fruit, baby	1	1	1	0	0	0	0	0			1							1
53203100	Cookie, baby	1	1	1	0	0	0	0	0			1							1
53203500	Cookie, biscotti	0	0	0	0	0	0	0	0			1							
53203500	Cookie, biscotti (Italian sugar cookie)	1	1	1	1	1	1	1	1			1							

Appendix A. List of food codes and inferred proportions

NHANES biennials			Reduced-fat mayonnaise, reduced- sugar ketchup/mustard, and other reduced- fat/sugar condiments	Dry-milk seasoning and blends	Bakery cookies and pastry	Bakery reduced- fat cookies and pastry	RTD sport nutrition beverages	RTD beverages	Reduced- sugar cereals (RTE) and cereals bars	Candies	Confectionary	Dairy and imitation dairy products	Infant food: cereal	Infant food: batteries	Powdered beverage mix	Sauces, Instant and prepared	Reduced-fat salad dressing, pourable and spoonable	Reduced-sugar snack-based fillings
53204000	Cookie, brownie, NS as to icing	1	1	1	1	1	1	1	1		1							
53204010	Cookie, brownie, without icing	1	1	1	1	1	1	1	0									
53204010	Cookie, brownie, without icing	0	0	0	0	0	0	0	1									
53204100	Cookie, brownie, with icing	1	1	1	1	0	0	0	0		1							
53204100	Cookie, brownie, with icing or filling	0	0	0	0	0	0	1	1		1							1
53204500	Cookie, brownie, with cream cheese filling, without icing	1	1	1	1	0	0	0	0		1	1						1
53204600	Cookie, brownie, with peanut butter fudge icing	1	1	1	1	0	0	0	0		1							
53204800	Cookie, brownie, diet, NS as to icing	1	1	1	1	0	0	0	0		1							
53204830	Cookie, brownie, low fat, with icing	1	1	1	1	0	0	0	0		1							
53204840	Cookie, brownie, low fat, without icing	1	1	1	1	0	0	0	0		1							
53204840	Cookie, brownie, reduced fat, NS as to icing	0	0	0	0	0	1	1	1		1							
53204850	Cookie, brownie, fat free, cholesterol free, with icing	1	1	1	1	0	0	0	0		1							
53204860	Cookie, brownie, fat free, NS as to icing	0	0	0	0	0	1	1	1		1							
53204860	Cookie, brownie, fat free, without icing	1	1	1	1	0	0	0	0		1							
53205250	Cookie, butterscotch, brownie	1	1	1	1	1	1	1	1									
53205260	Cookie, bar, with chocolate	0	0	0	0	0	1	1	1									
53205500	Cookie, butterscotch chip	1	1	1	1	0	0	0	0									
53205900	Cookie, caramel coated, with nuts	1	1	1	1	0	0	0	0		1							
53205750	Cookie, carob	1	1	1	1	0	0	0	0									
53205760	Cookie, carob and honey brownie	1	1	1	1	0	0	0	0									
53206000	Cookie, chocolate chip	1	1	1	1	1	1	1	1									
53206010	Cookie, chocolate chip, with raisins	1	1	1	1	0	0	0	0									
53206020	Cookie, chocolate chip, made from home recipe or purchased at a bakery	1	1	1	1	1	1	1	0									
53206020	Cookie, chocolate chip, made from home recipe or purchased at a bakery	0	0	0	0	0	0	0	1									
53206030	Cookie, chocolate chip, reduced fat	1	1	1	1	1	1	1	0									
53206030	Cookie, chocolate chip, reduced fat	0	0	0	0	0	0	0	1									
53206050	Cookie, rich, chocolate chip, with chocolate filling	1	1	1	1	0	0	0	0		1							1
53206100	Cookie, chocolate chip sandwich	1	1	1	1	1	1	1	1									1
53206500	Cookie, chocolate, made with rice cereal	1	1	1	1	1	1	1	1									
53206550	Cookie, chocolate, made with oatmeal and coconut (no-bake)	1	1	1	1	1	1	1	0									
53206550	Cookie, chocolate, made with oatmeal and coconut, no bake	0	0	0	0	0	0	0	1									
53207000	Cookie, chocolate bite, with/without nuts	1	1	1	1	0	0	0	0									
53207000	Cookie, chocolate or fudge	0	0	0	0	1	1	1	0									
53207000	Cookie, chocolate or fudge	0	0	0	0	0	0	0	1									
53207020	Cookie, chocolate or fudge, reduced fat	0	0	0	0	0	1	1	1									
53207050	Cookie, chocolate, with chocolate filling or coating, fat free	1	1	1	1	1	1	1	0									1
53207050	Cookie, chocolate, with chocolate filling or coating, fat free	0	0	0	0	0	0	0	1									1
53208000	Cookie, chocolate covered marshmallow	1	1	1	1	0	0	0	0									
53208000	Cookie, marshmallow, chocolate covered	0	0	0	0	1	1	1	1									
53208200	Cookie, marshmallow pie, chocolate covered	1	1	1	1	1	1	1	1									
53208200	Cookie, marshmallow pie, chocolate covered	0	0	0	0	0	0	0	1									
53209000	Cookie, chocolate, chocolate sandwich or chocolate-coated or striped	1	1	1	1	0	0	0	0									1
53209005	Cookie, chocolate, with icing or coating	0	0	0	0	0	1	1	1									
53209010	Cookie, sugar wafer, chocolate-covered	0	0	0	0	0	1	1	1									
53209010	Cookie, chocolate covered, sugar wafer, creme- or caramel-filled	1	1	1	1	0	0	0	0									
53209015	Cookie, chocolate sandwich	0	0	0	0	1	1	1	1									
53209020	Cookie, chocolate sandwich, reduced fat	1	1	1	1	1	1	1	1									
53209030	Cookie, chocolate covered, chocolate sandwich	1	1	1	1	0	0	0	0									
53209100	Cookie, chocolate, sandwich, with extra filling	1	1	1	1	1	1	1	1									
53209100	Cookie, chocolate, sandwich, with extra filling	0	0	0	0	0	0	0	1									
53209500	Cookie, chocolate and vanilla sandwich	1	1	1	1	1	1	1	0									
53209500	Cookie, chocolate and vanilla sandwich	0	0	0	0	0	0	0	1									
53210000	Cookie, chocolate wafer	1	1	1	1	1	1	1	1									
53210900	Cookie, graham cracker sandwich with chocolate and marshmallow filling	1	1	1	1	0	0	0	0		1							1
53210900	Cookie, graham cracker with chocolate and marshmallow	0	0	0	0	0	1	1	1									
53210910	Cookie, graham cracker with marshmallow	1	1	1	1	0	0	0	0									
53211000	Cookie bar, with chocolate, nuts, and graham crackers	0	0	0	0	0	0	0	1									
53211000	Cookie bar, with chocolate, nuts, and graham crackers	1	1	1	1	1	1	1	0									
53215500	Cookie, coconut	1	1	1	1	1	1	1	1									
53216000	Cookie, coconut and nut	1	1	1	1	0	0	0	0									
53220000	Cookie, fruit-filled bar	1	1	1	1	1	1	1	0									1
53220000	Cookie, fruit-filled bar	0	0	0	0	0	0	0	1									1
53220010	Cookie, fruit-filled bar, fat free	1	1	1	1	1	1	1	1									1
53220020	Cookie, date bar	1	1	1	1	0	0	0	0									1

Appendix A. List of food codes and inferred proportions

		NHANES blend #1							Reduced-fat margarine, reduced- sugar ketchup/mustard, and other reduced-fat/ sugar condiments	Dry-mix seasoning and blends	Bakery cookies and pastry	Bakery reduced- fat cookies and pastry	RTD sport nutrition beverages	RTD beverages	Reduced- sugar cereals (RTT) and cereals bars	Candies	Confectionary	Dairy and imitation dairy products	Infant food: cereal	Infant food: bakery	Powdered beverage mix	Sauces, instant and prepared	Reduced-fat salad dressing, pourable and spoonable	Reduced-sugar snack-based fillings
53239050	Cookie, shortbread, with icing or filling	0	0	0	0	1	1	1		1							1							1
53239100	Pocky	0	0	0	0	0	0	1																
53239100	Pocky (Japanese snack)	0	0	0	0	0	0	1																
53240000	Cookie, animal	0	0	0	0	1	1	1		1														
53240010	Cookie, animal, with frosting or icing	0	0	0	0	1	1	1		1														
53241500	Cookie, butter or sugar	0	0	0	0	1	1	1		1														
53241500	Cookie, butter or sugar cookie	1	1	1	1	0	0	0		1														
53241510	Vanilla-biscuit	0	0	0	0	1	1	1		1														
53241600	Cookie, butter or sugar, with fruit and/or nuts	0	0	0	0	0	0	1		1														
53241600	Cookie, butter or sugar cookie, with fruit and/or nuts	1	1	1	1	0	0	0		1														
53242000	Cookie, sugar wafer	1	1	1	1	1	1	1		1														
53242250	Cookie, teething, baby food	1	1	1	0	0	0	0		1										1				
53242500	Cookie, toll-free bar	1	1	1	1	1	1	1		1														
53243000	Cookie, vanilla sandwich	1	1	1	1	1	1	1		1														1
53243010	Cookie, vanilla sandwich, extra filling	0	0	0	0	1	1	1		1														1
53243050	Cookie, vanilla sandwich, reduced fat	1	1	1	1	1	1	1		1														1
53243100	Cookie, rich, all chocolate, with chocolate filling or chocolate-chips	1	1	1	1	0	0	0		1														1
53244010	Cookie, butter or sugar, with chocolate icing or filling	0	0	0	0	0	0	1		1														1
53244010	Cookie, butter or sugar, with chocolate icing or filling	1	1	1	1	1	1	0		1														1
53244020	Cookie, butter or sugar, with icing or filling other than chocolate	0	0	0	0	0	0	1		1														1
53244020	Cookie, butter or sugar, with icing or filling other than chocolate	1	1	1	1	1	1	0		1														1
53245000	Cookie, vanilla wafer/creme	1	1	1	1	0	0	0		1														
53246000	Cookie, tea, Japanese	1	1	1	1	1	1	1		1														
53247000	Cookie, vanilla wafer	0	0	0	0	0	0	1		1														
53247000	Cookie, vanilla wafer	1	1	1	1	1	1	0		1														
53247050	Cookie, vanilla wafer, reduced fat	1	1	1	1	1	1	1		1														
53247500	Cookie, vanilla with caramel, coconut, and chocolate coating	1	1	1	1	1	1	0		1														
53247500	Cookie, vanilla with caramel, coconut, and chocolate coating	0	0	0	0	0	0	1		1														
53248000	Cookie, whole wheat, dried fruit, nut	1	1	1	1	0	0	0		1														
53251100	Cookie, rugelach	1	1	1	1	1	1	1		1														
53260010	Cookie, chocolate chip, sugar free	0	0	0	0	0	0	1		1														
53260010	Cookie, dietetic, chocolate chip	1	1	1	1	0	0	0		1														
53260150	Cookie, lemon wafer, lowfat	1	1	1	1	0	0	0		1														
53260200	Cookie, dietetic, oatmeal with raisins	1	1	1	1	0	0	0		1														
53260200	Cookie, oatmeal, sugar free	0	0	0	0	1	1	1		1														
53260300	Cookie, dietetic, sandwich type	1	1	1	1	0	0	0		1														
53260300	Cookie, sandwich, sugar free	0	0	0	0	1	1	1		1														1
53260400	Cookie, dietetic, sugar or plain	1	1	1	1	0	0	0		1														1
53260400	Cookie, sugar or plain, sugar free	0	0	0	0	1	1	1		1														
53260500	Cookie, sugar wafer, sugar free	0	0	0	0	1	1	1		1														
53260500	Cookie, peanut butter, sugar free	0	0	0	0	1	1	1		1														
53261000	Cookie, gluten free	0	0	0	0	0	0	1		1														
53270100	Cookies, Puerto Rican (Mantecaditas polvorones)	1	1	1	1	1	1	0		1														
53270100	Cookies, Puerto Rican style	0	0	0	0	0	0	0		1														
53300100	Pie, NFS	1	1	1	1	1	1	1		1														
53300170	Pie, individual size or tart, NFS	1	1	1	1	1	1	1		1														
53300180	Pie, fried, NFS	1	1	1	1	1	1	1		1														
53301000	Pie, apple, two crust	1	1	1	1	1	1	1		1														
53301070	Pie, apple, individual size or tart	1	1	1	1	1	1	1		1														
53301080	Pie, apple, filled pie	1	1	1	1	0	0	0		1														
53301080	Pie, apple, filled pie	0	0	0	0	1	1	1		1														
53301500	Pie, apple, one crust	0	0	0	0	0	0	1		1														
53301500	Pie, apple, one crust	1	1	1	1	1	1	0		1														
53301750	Pie, apple, diet	1	1	1	1	1	1	1		1														
53302000	Pie, apricot, two crust	1	1	1	1	1	1	1		1														
53302070	Pie, apricot, individual size or tart	1	1	1	1	1	1	1		1														
53302080	Pie, apricot, filled pie	1	1	1	1	1	1	0		1														
53302080	Pie, apricot, filled pie	0	0	0	0	0	0	0		1														
53303000	Pie, blackberry, two crust	1	1	1	1	1	1	1		1														
53303070	Pie, blackberry, individual size or tart	1	1	1	1	1	1	1		1														
53303500	Pie, berry, not blackberry, blueberry, boysenberry, huckleberry, raspberry, or strawberry; two crust	1	1	1	1	1	1	0		1														
53303500	Pie, berry, not blackberry, blueberry, boysenberry, huckleberry, raspberry, or strawberry; two crust	0	0	0	0	0	0	1		1														
53303510	Pie, berry, not blackberry, blueberry, boysenberry, huckleberry, raspberry, or strawberry; one crust	0	0	0	0	0	0	1		1														
53303510	Pie, berry, not blackberry, blueberry, boysenberry, huckleberry, raspberry, or strawberry; one crust	1	1	1	1	1	1	0		1														

Appendix A. List of food codes and Inferred proportions

		NHANES biennials							Reduced-fat margarine, reduced- sugar ketchup/mustard, and other reduced- fat/sugar condiments	Dry-mix seasoning and blends	Savory cookies and pastry	Bakery reduced- fat cookies and pastry	RTD sport nutrition beverages	RTD beverages	Reduced- sugar cereals (RTE) and cereal bars	Candies	Confectionery	Dairy and imitation dairy products	Infant food: cereal	Infant food: bakery	Powdered beverage mix	Sauces, instants and prepared	Reduced-fat salad dressing, poussable and spoonable	Reduced-sugar snack-based fillings
53360000	Pie, sweet potato	1	1	1	1	0	0	0																
53365000	Pie, vanilla cream	1	1	1	1	1	1	1									1							
53366000	Pie, yogurt, frozen	1	1	1	1	1	1	1										1						
53370000	Pie, chiffon, not chocolate	1	1	1	1	1	1	1																
53371000	Pie, chiffon, chocolate	1	1	1	1	1	1	1																
53371100	Pie, chiffon, with liqueur	1	1	1	1	1	0	0																
53373000	Pie, black bottom	1	1	1	1	1	1	1																
53381000	Pie, lemon meringue	1	1	1	1	1	1	1																
53381010	Pie, lemon meringue, individual size or tart	1	1	1	1	1	1	1																
53382000	Pie, chocolate-mrs. hallow	1	1	1	1	1	1	1																
53385000	Pie, pecan	1	1	1	1	1	1	1																
53385010	Pie, pecan, individual size or tart	1	1	1	1	1	1	0																
53385020	Pie, pecan, individual size or tart	0	0	0	0	0	0	1																
53385500	Pie, oatmeal	1	1	1	1	1	1	1																
53386000	Pie, pudding, flavors other than chocolate	0	0	0	0	0	0	1															1	1
53386000	Pie, pudding, flavors other than chocolate	1	1	1	1	1	1	0															1	1
53386050	Pie, pudding, flavors other than chocolate, individual size or tart	0	0	0	0	0	0	1															1	1
53386500	Pie, pudding, flavors other than chocolate, individual size or tart	1	1	1	1	1	1	0															1	1
53386250	Pie, pudding, chocolate, with chocolate coating, individual size	1	1	1	1	1	1	0															1	1
53386250	Pie, pudding, chocolate, with chocolate coating, individual size	0	0	0	0	0	0	1															1	1
53386500	Pie, pudding, flavors other than chocolate, with chocolate coating, individual size	0	0	0	0	0	0	1															1	1
53386500	Pie, pudding, flavors other than chocolate, with chocolate coating, individual size	1	1	1	1	1	1	0															1	1
53387000	Pie, Toll house chocolate chip	1	1	1	1	1	1	1																
53390000	Pie, shoe-fly	1	1	1	1	1	1	1																
53390100	Pie, toka with fruit	1	1	1	1	1	1	0																
53390100	Pie, toka with fruit	0	0	0	0	0	0	1																
53391000	Pie shell	1	1	1	1	1	1	1																
53391100	Pie shell, graham cracker	1	1	1	1	1	1	1																
53391350	Pie shell, chocolate wafer	1	1	1	1	1	1	1																
53391200	Vanilla wafer desert base	1	1	1	1	1	1	1																
53400200	Blinitz, cheese-filled	1	1	1	1	1	1	1																
53400300	Blinitz, fruit-filled	1	1	1	1	1	1	1																
53415120	Fritter, apple	1	1	1	1	1	1	1																
53415200	Fritter, banana	1	1	1	1	1	1	1																
53415220	Fritter, berry	1	1	1	1	1	1	1																
53420000	Cream puff, eclair, custard or cream filled, NS as to icing	0	0	0	0	0	0	1																
53420000	Cream puff, eclair, custard or cream filled, NS as to icing	1	1	1	1	1	1	0																
53420100	Cream puff, eclair, custard or cream filled, not iced	0	0	0	0	0	0	1																
53420100	Cream puff, eclair, custard or cream filled, not iced	1	1	1	1	1	1	0																
53420200	Cream puff, eclair, custard or cream filled, iced	0	0	0	0	0	0	1																
53420200	Cream puff, eclair, custard or cream filled, iced	1	1	1	1	1	1	0																
53420210	Cream puff, eclair, custard or cream filled, iced, reduced fat	0	0	0	0	0	0	1																
53420210	Cream puff, eclair, custard or cream filled, iced, reduced fat	1	1	1	1	1	1	0																
53420250	Cream puff, no filling or icing	0	0	0	0	0	0	1																
53420250	Cream puff, no filling or icing	1	1	1	1	1	1	0																
53420300	Air filled fritter or fried puff, without syrup, Puerto Rican style	0	0	0	0	0	0	1																
53420300	Air filled fritter or fried puff, without syrup, Puerto Rican style (Bunuelos de viento)	1	1	1	1	1	1	0																
53420310	Wheat flour fritter, without syrup	1	1	1	1	1	1	0																
53420310	Wheat flour fritter, without syrup	0	0	0	0	0	0	1																
53420400	Sopapilla, without syrup or honey	1	1	1	1	1	1	0																
53420400	Sopapilla, without syrup or honey	0	0	0	0	0	0	1																
53420410	Sopapilla with syrup or honey	1	1	1	1	1	1	0																
53420410	Sopapilla with syrup or honey	0	0	0	0	0	0	1																
53420500	Crepes, dessert type, NS as to filling	1	1	1	1	1	1	0																
53430000	Crepes, NS as to filling	0	0	0	0	0	0	1																
53430100	Crepes, chocolate filled	0	0	0	0	0	0	1																
53430100	Crepes, dessert type, chocolate filled	1	1	1	1	1	1	0																
53430200	Crepes, dessert type, fruit filled	1	1	1	1	1	1	0																
53430200	Crepes, fruit filled	0	0	0	0	0	0	1																
53430300	Crepes, dessert type, ice cream-filled	1	1	1	1	1	1	0																
53440000	Strudel, apple	0	0	0	0	0	0	1																
53440000	Strudel, apple	1	1	1	1	1	1	0																
53440100	Strudel, berry	1	1	1	1	1	1	0																
53440100	Strudel, berry	1	1	1	1	1	1	0																
53440500	Strudel, cherry	1	1	1	1	1	1	0																
53440500	Strudel, cherry	1	1	1	1	1	1	0																
53440600	Strudel, cheese	1	1	1	1	1	1	0																

Appendix A. List of food codes and inferred proportions

		NHANES biennials							Reduced-fat mayonnaise, reduced- sugar ketchup/mustard, and other reduced- fat/sugar condiments	Dry-mix seasoning and blends	Bakery cookies and pastry	Bakery reduced- fat cookies and pastry	RTD sport nutrition beverages	RTD beverages	Reduced- sugar cereal (RTG) and cereals bars	Candies	Confectionary	Dairy and imitation dairy products	Infant food: cereal	Infant food: bakery	Powdered beverage mix	Sauces, Instant and prepared	Reduced-fat salsas, dressing, pourable and spoonable	Reduced-sugar snack-based fillings
53440700	Strudel, peach	1	1	1	1	1	1	1		1													1	
53440750	Strudel, pineapple	1	1	1	1	1	1	1		1													1	
53440800	Strudel, cheese and fruit	1	1	1	1	1	1	0		1													1	
53440800	Strudel, cheese and fruit	0	0	0	0	0	0	1		1													1	
53441110	Baklava	0	0	0	0	0	0	1		1														
53441110	Baklava	1	1	1	1	1	1	0		1														
53441210	Baklava	0	0	0	0	0	0	1		1														
53441210	Baklava (semolina dessert dish)	1	1	1	1	1	1	0		1														
53450000	Turnover or dumpling, apple	1	1	1	1	1	1	1		1														
53450300	Turnover or dumpling, berry	1	1	1	1	1	1	1		1														
53450500	Turnover or dumpling, cherry	1	1	1	1	1	1	1		1														
53450800	Turnover or dumpling, lemon	1	1	1	1	1	1	1		1														
53451000	Turnover or dumpling, peach	1	1	1	1	1	1	1		1														
53451500	Turnover, guava	1	1	1	1	1	1	1		1														
53451750	Turnover, pumpkin	1	1	1	1	1	1	1		1														
53452100	Pastry, fruit-filled	1	1	1	1	1	1	1		1														
53452120	Pastry, Asian, made with bean or lotus seed paste filling (baked)	0	0	0	0	1	1	0		1														
53452120	Pastry, made with bean or lotus seed paste filling, baked	0	0	0	0	0	0	1		1														
53452120	Pastry, Oriental, made with bean or lotus seed paste filling (baked)	1	1	1	1	1	0	0		1														
53452130	Pastry, Asian, made with bean paste and salted egg yolk filling (baked)	0	0	0	0	1	1	0		1														
53452130	Pastry, made with bean paste and salted egg yolk filling (baked)	0	0	0	0	0	0	1		1														
53452130	Pastry, Oriental, made with bean paste and salted egg yolk filling (baked)	1	1	1	1	0	0	0		1														
53452130	Pastry, Chinese, made with rice flour	1	1	1	1	1	1	0		1														
53452150	Pastry, Chinese, made with rice flour	0	0	0	0	0	0	1		1														
53452170	Pastry, cookie type, fried	0	0	0	0	0	0	1		1														
53452170	Pastry, cookie type, fried	1	1	1	1	1	1	0		1														
53452200	Pastry, Italian, with cheese	1	1	1	1	1	1	1		1														
53452200	Pastry, Italian, with cheese	0	0	0	0	0	0	1		1														
53452400	Pastry, puff	1	1	1	1	1	1	1		1														
53452420	Pastry, puff, custard or cream filled, iced or not iced	0	0	0	0	0	0	1		1														
53452420	Pastry, puff, custard or cream filled, iced or not iced	1	1	1	1	1	1	0		1														
53452450	Cheese pastry puffs	1	1	1	1	1	1	0		1														
53452450	Cheese pastry puffs	0	0	0	0	0	0	1		1														
53452500	Pastry, mainly flour and water, fried	1	1	1	1	1	1	0		1														
53452500	Pastry, mainly flour and water, fried	0	0	0	0	0	0	1		1														
53453150	Empanada, Mexican turnover, fruit-filled	1	1	1	1	1	1	1		1														
53453170	Empanada, Mexican turnover, pumpkin	0	0	0	0	0	0	1		1														
53453170	Empanada, Mexican turnover, pumpkin	1	1	1	1	1	1	0		1														
53500100	Breakfast pastry, NFS	1	1	1	1	1	1	1		1														
53500200	Toaster bagel, with fruit and cream cheese	1	0	0	0	0	0	0		1														
53510000	Danish pastry, plain or spice	0	0	0	0	0	0	1		1														
53510000	Danish pastry, plain or spice	1	1	1	1	1	1	0		1														
53510100	Danish pastry, with fruit	1	1	1	1	1	1	0		1														
53510100	Danish pastry, with fruit	0	0	0	0	0	0	1		1														
53510200	Danish pastry, with nuts	1	1	1	1	0	0	0		1														
53511000	Danish pastry, with cheese	1	1	1	1	1	1	0		1														
53511000	Danish pastry, with cheese	0	0	0	0	0	0	1		1														
53511500	Danish pastry, with cheese, fat free, cholesterol free	1	1	1	1	1	0	0		1														
53520000	Doughnut, NFS as to cake or yeast	1	1	1	1	1	1	1		1														
53520110	Doughnut, cake type	1	1	1	1	1	1	1		1														
53520120	Doughnut, chocolate, cake type	1	1	1	1	1	1	1		1														
53520140	Doughnut, cake type, chocolate covered	1	1	1	1	1	1	1		1														
53520150	Doughnut, cake type, chocolate covered, dipped in peanuts	0	0	0	0	0	0	1		1														
53520150	Doughnut, cake type, chocolate covered, dipped in peanuts	1	1	1	1	1	1	0		1														
53520160	Doughnut, chocolate, cake type, with chocolate icing	1	1	1	1	1	1	1		1														
53520200	Churros	0	0	0	0	0	0	1		1														
53520200	Churros	1	1	1	1	1	1	0		1														
53520500	Doughnut, Asan	0	0	0	0	1	1	1		1														
53520500	Doughnut, Asan	0	0	0	0	0	0	1		1														
53520500	Doughnut, oriental	1	1	1	1	0	0	0		1														
53520500	Cruller, NFS	1	1	1	1	1	1	1		1														
53520700	French cruller	1	1	1	1	1	1	1		1														
53521100	Doughnut, chocolate, raised or yeast, with chocolate icing	1	1	1	1	1	1	1		1														
53521110	Doughnut, raised or yeast	1	1	1	1	1	1	0		1														
53521110	Doughnut, raised or yeast	0	0	0	0	0	0	1		1														
53521120	Doughnut, chocolate, raised or yeast	1	1	1	1	1	1	1		1														
53521130	Doughnut, raised or yeast, chocolate covered	1	1	1	1	1	1	1		1														

Appendix A. List of food codes and Inferred proportions

NHANES biennials					Reduced-fat mayonnaise, reduced- sugar ketchup/mustard, and other reduced- fat/sugar condiments	Dry-mix seasoning and blends	Bakery cookies and pastry	Bakery reduced- fat cookies and pastry	RTD sport nutrition beverages	RTD beverages	Reduced- sugar cereals (RTF) and cereal bars	Candies	Confectionary	Dairy and imitation dairy products	Infant food: cereal	Infant food: bakery	Powdered beverage mix	Sauces, instant and prepared	Reduced-fat salad dressing, pourable and spoonable	Reduced-sugar snack-based fillings
53521140	Doughnut, jelly	1	1	1	1	1	1	1												
53521210	Doughnut, custard filled	1	1	1	1	1	1	1												1
53521220	Doughnut, chocolate cream filled	1	1	1	1	1	1	1												1
53521230	Doughnut, custard filled, with icing	1	1	1	1	1	1	1												1
53521250	Doughnut, wheat	1	1	1	1	1	1	0												
53521300	Doughnut, wheat, chocolate covered	1	1	1	1	1	1	0												
53530000	Breakfast tart	1	1	1	1	1	1	1												
53530010	Breakfast tart, lowfat	1	1	1	1	1	1	1												
53540090	Breakfast bar, NFS	1	1	1	1	0	0	0												
53540200	Breakfast bar, cereal crust with fruit filling, lowfat	1	1	1	1	0	0	0			1									
53540250	Breakfast bar, cereal crust with fruit filling, fat free	1	0	0	0	0	0	0			1									1
53540300	Fiber One Chewy Bar	0	0	1	1	0	0	0			1									1
53540400	Kellogg's Nutri-Grain Cereal Bar	0	0	1	1	0	0	0			1									
53540402	Kellogg's Nutri-Grain Yogurt Bar	0	0	1	1	0	0	0			1									
53540404	Kellogg's Nutri-Grain Fruit and Nut Bar	0	0	1	1	0	0	0			1									
53540500	Breakfast bar, date, with yogurt coating	1	1	1	1	0	0	0			1									
53540600	Milk 'n Cereal Bar	1	1	1	1	0	0	0			1									
53540700	Kellogg's Special K Bar	0	1	1	1	0	0	0			1									1
53540800	Kashi GOLEAN Chewy Bars	0	0	1	1	0	0	0			1									
53540802	Kashi TLC Chewy Granola Bar	0	0	1	1	0	0	0			1									
53540804	Kashi GOLEAN Crunchy Bars	0	0	1	1	0	0	0			1									
53540806	Kashi TLC Crunchy Granola Bar	0	0	1	1	0	0	0			1									
53540900	Nature Valley Chewy Trail Mix Granola Bar	0	0	0	1	0	0	0			1									
53540902	Nature Valley Chewy Granola Bar with Yogurt Coating	0	0	0	1	0	0	0			1									1
53540904	Nature Valley Sweet and Salty Nut Granola Bar	0	0	0	1	0	0	0			1									
53540906	Nature Valley Crunchy Granola Bar	0	0	0	1	0	0	0			1									
53541000	Quaker Chewy Granola Bar	0	0	0	1	0	0	0			1									
53541002	Quaker Chewy 30 Calorie Granola Bar	0	0	0	1	0	0	0			1									
53541004	Quaker Chewy 25% Less Sugar Granola Bar	0	0	0	1	0	0	0			1									
53541006	Quaker Chewy Dippin' Granola Bar	0	0	0	1	0	0	0			1									
53541200	Meal replacement bar	0	0	1	1	0	0	0			1									
53541200	Meal replacement bar	1	1	0	0	0	0	0			1									
53541300	Slim Fast Original Meal Bar	0	0	0	1	0	0	0			1									
53542000	Snack bar, oatmeal	0	0	1	1	0	0	0			1									
53542100	Granola bar, oats, sugar, raisins, coconut	1	1	1	0	0	0	0			1									
53542100	Granola bar, NFS	0	0	0	1	0	0	0			1									
53542200	Granola bar, lowfat, NFS	0	0	0	1	0	0	0			1									
53542200	Granola bar, oats, fruit and nuts, lowfat	1	1	1	0	0	0	0			1									
53542210	Granola bar, nonfat	1	1	1	0	0	0	0			1									
53543000	Granola bar, oats, reduced sugar	0	0	1	0	0	0	0			1									
53543000	Granola bar, reduced sugar, NFS	0	0	0	1	0	0	0			1									
53543100	Granola bar, peanuts, oats, sugar, wheat germ	1	1	1	1	0	0	0			1									
53544200	Granola bar, chocolate-coated	1	1	0	0	0	0	0			1									1
53544200	Granola bar, chocolate-coated, NFS	0	0	1	1	0	0	0			1									1
53544210	Granola bar, with coconut, chocolate-coated	1	1	1	1	0	0	0			1									1
53544220	Granola bar with nuts, chocolate-coated	1	1	1	1	0	0	0			1									1
53544230	Granola bar, oats, nuts, coated with non-chocolate coating	0	0	1	1	0	0	0			1									1
53544250	Granola bar, coated with non-chocolate coating	1	1	1	1	0	0	0			1									1
53544300	Granola bar, high fiber, coated with non-chocolate yogurt coating	1	1	1	1	0	0	0			1									1
53544400	Granola bar, with rice cereal	1	1	1	1	0	0	0			1									
53544410	Quaker Granola Bites	0	0	1	1	0	0	0			1									
53544450	PowerBar (fortified high energy bar)	1	1	1	1	0	0	0			1									
53610000	Coffee cake, NFS	1	1	1	1	0	0	0			1									
53610100	Coffee cake, crumb or quick bread type	1	1	1	1	1	1	1			1									
53610120	Coffee cake, crumb or quick bread type, reduced fat, cholesterol free	1	1	1	1	0	0	0			1									
53610170	Coffee cake, crumb or quick bread type, with fruit	1	1	1	1	1	1	1			1									
53610170	Coffee cake, crumb or quick bread type, with fruit	0	0	0	0	0	0	0			1									
53610200	Coffee cake, crumb or quick bread type, cheese-filled	0	0	0	0	0	0	0			1									
53610200	Coffee cake, crumb or quick bread type, cheese-filled	1	1	1	1	1	1	1			1									
53610250	Coffee cake, crumb or quick bread type, custard filled	1	1	1	1	0	0	0			1									
53710400	Cereal or granola bar (General Mills Fiber One Chewy Bar)	0	0	0	0	0	0	0			1									1
53710400	Fiber One Chewy Bar	0	0	0	0	0	1	1			0									
53710500	Cereal or granola bar (Kellogg's Nutri-Grain Cereal Bar)	0	0	0	0	0	0	0			1									
53710500	Kellogg's Nutri-Grain Cereal Bar	0	0	0	0	0	1	1			0									
53710502	Cereal or granola bar (Kellogg's Nutri-Grain Yogurt Bar)	0	0	0	0	0	0	0			1									
53710502	Kellogg's Nutri-Grain Yogurt Bar	0	0	0	0	1	1	0			1									
53710504	Cereal or granola bar (Kellogg's Nutri-Grain Fruit and Nut Bar)	0	0	0	0	0	0	0			1									
53710504	Kellogg's Nutri-Grain Fruit and Nut Bar	0	0	0	0	0	1	1			0									
53710600	Milk 'n Cereal bar	0	0	0	0	1	1	1			1									

Appendix A. List of food codes and inferred proportions

Food Code	Description	NOFAPES biennials								Reduced-fat mayonnaise, reduced- sugar ketchup/mustard, and other reduced- fat/sugar condiments	Dry-mix seasoning and blends	Bakery cookies and pastry	Bakery reduced- fat cookies and pastry	RTD sport nutrition beverages	RTD beverages	Reduced- sugar cereals (RTE) and cereal bars	Candies	Confectionary	Dairy and imitation dairy products	Infant food/ cereal	Infant food/ bakery	Powdered beverage mix	Sauces, instant and prepared	Reduced-fat salad dressings, pourable and spoonable	Reduced-sugar snack-based fillings
		2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031								2032	2033
54408310	Pretzels, hard, peanut butter filled	0	0	0	0	0	0	0	1																
54408410	Pretzels, soft, ready-to-eat, salted, buttered	0	0	0	0	0	0	0	1										0.009832842						0.332005312
54408411	Pretzels, soft, ready-to-eat, unsalted, buttered	0	0	0	0	0	0	0	1										0.00990099						
54408422	Pretzels, soft, ready-to-eat, coated or flavored	0	0	0	0	0	0	0	1									1							
54408462	Pretzels, soft, from frozen, coated or flavored	0	0	0	0	0	0	0	1									1							
54408470	Pretzels, soft, filled with cheese	0	0	0	0	0	0	0	1									1							
54408487	Pretzels, soft, gluten free, coated or flavored	0	0	0	0	0	0	0	1									1							0.130434783
54420010	Mull/grain mixture, pretzels, cereal and/or crackers, nuts	1	1	1	1	1	1	1	1							1									
55801000	Funnel cake	1	1	1	1	1	0	0	0			1													
55801000	Funnel cake with sugar	0	0	0	0	0	1	1	1			1													
55801010	Funnel cake with sugar and fruit	0	0	0	0	0	1	1	1			1													
56203073	Oatmeal, regular or quick, made with non-dairy milk, NS as to fat added in cooking	0	0	0	0	0	0	0	1										1						
56203076	Oatmeal, regular or quick, made with non-dairy milk, fat not added in cooking	0	0	0	0	0	0	0	1										1						
56203077	Oatmeal, regular or quick, made with non-dairy milk, fat added in cooking	0	0	0	0	0	0	0	1										1						
56203105	Oatmeal, instant, plain, made with non-dairy milk, NS as to fat added in cooking	0	0	0	0	0	0	0	1										1						
56203106	Oatmeal, instant, plain, made with non-dairy milk, fat not added in cooking	0	0	0	0	0	0	0	1										1						
56203107	Oatmeal, instant, plain, made with non-dairy milk, fat added in cooking	0	0	0	0	0	0	0	1										1						
56207025	Cream of wheat, regular or quick, made with non-dairy milk, NS as to fat added in cooking	0	0	0	0	0	0	0	1										1						
56207026	Cream of wheat, regular or quick, made with non-dairy milk, fat not added in cooking	0	0	0	0	0	0	0	1										1						
56207027	Cream of wheat, regular or quick, made with non-dairy milk, fat added in cooking	0	0	0	0	0	0	0	1										1						
56207101	Cream of wheat, instant, made with non-dairy milk, NS as to fat added in cooking	0	0	0	0	0	0	0	1										1						
56207102	Cream of wheat, instant, made with non-dairy milk, fat not added in cooking	0	0	0	0	0	0	0	1										1						
56207103	Cream of wheat, instant, made with non-dairy milk, fat added in cooking	0	0	0	0	0	0	0	1										1						
56207190	Whole wheat cereal, cooked, NS as to fat added in cooking	1	1	1	1	1	1	0								1									
56207190	Whole wheat cereal, cooked, NS as to fat added in cooking	0	0	0	0	0	0	0	1							1									
56207200	Whole wheat cereal, cooked, fat not added in cooking	0	0	0	0	0	0	0	1							1									
56207200	Whole wheat cereal, cooked, fat not added in cooking	1	1	1	1	1	1	0								1									
56207210	Whole wheat cereal, cooked, fat added in cooking	1	1	1	1	1	1	0								1									
56207210	Whole wheat cereal, cooked, fat added in cooking	0	0	0	0	0	0	0	1							1									
56207212	Whole wheat cereal, cooked, made with milk	0	0	0	0	0	0	0	1							1									
56207220	Wheat, cream of, cooked, regular, fat added in cooking	1	1	1	1	1	1	0								1									
56207230	Wheat, cream of, cooked, quick, fat added in cooking	1	1	1	1	1	1	0								1									
56207290	Wheat hearts, cooked, NS as to fat added in cooking	1	1	1	1	1	0	0								1									
56207300	Whole wheat cereal, wheat and barley, cooked, fat not added in cooking	1	1	1	1	1	1	0								1									
56207310	Wheat hearts, cooked, fat not added in cooking	1	1	1	1	0	0	0								1									
56207330	Whole wheat cereal, wheat and barley, cooked, fat added in cooking	1	1	1	1	1	1	0								1									
56207340	Whole wheat cereal, wheat and barley, cooked, NS as to fat added in cooking	1	1	1	1	1	1	0								1									
56207342	Whole wheat cereal, wheat and barley, cooked, made with milk	0	0	0	0	0	0	1								1									
56207350	Wheat cereal, chocolate flavored, cooked, made with milk	1	1	1	1	1	1	0								1									
56207360	Wheat cereal, chocolate flavored, cooked, fat not added in cooking	1	1	1	1	1	1	0								1									
56207365	Wheat cereal, chocolate flavored, cooked, fat added in cooking	0	0	0	0	0	0	0	1							1									
56207370	Wheat cereal, chocolate flavored, cooked, NS as to fat added in cooking	1	1	1	1	1	1	0								1									
56207370	Wheat cereal, chocolate flavored, cooked	0	0	0	0	0	0	0	1							1									
56208500	Oat bran cereal, cooked, fat not added in cooking	0	0	0	0	0	0	1								1									
56208500	Oat bran cereal, cooked, fat not added in cooking	1	1	1	1	1	1	0								1									
56208510	Oat bran cereal, cooked, fat added in cooking	1	1	1	1	1	1	0								1									
56208510	Oat bran cereal, cooked, fat added in cooking	0	0	0	0	0	0	0	1							1									
56208520	Oat bran cereal, cooked, NS as to fat added in cooking	1	1	1	1	1	1	0								1									
56208520	Oat bran cereal, cooked, NS as to fat added in cooking	0	0	0	0	0	0	0	1							1									
56208530	Oat bran cereal, cooked, made with milk, fat not added in cooking	1	1	1	1	1	1	0								1									
56208540	Oat bran cereal, cooked, made with milk, fat added in cooking	1	1	1	1	1	1	0								1									

Appendix A. List of food codes and Inferred proportions

Food Code	Food Name	Inferred proportions																
		KHANES bienniale	Reduced-fat margarine, reduced- sugar ketchup/mustard, and other reduced- fat/sugar condiments	Dry-mix seasoning and blends	Bakery cookies and pastry	Bakery reduced- fat cookies and pastry	RTD sport nutrition beverages	RTD beverages	Reduced- sugar cereals (RTE) and cereal bars	Candies	Confectionary	Dairy and imitation dairy products	Infant food: cereal	Infant food: bakery	Powdered beverage mix	Sauces, Instant and prepared	Reduced-fat salad dressings, pourable and spoonable	Reduced-sugar snack-based fillings
57241200	Cereal (Post Shredded Wheat Honey Nut)	0	0	0	0	0	0	1									1	
57241200	Honey Nut Shredded Wheat, Post	1	1	1	1	1	1	1	0								1	0
57243000	Cereal (Kellogg's Honey Smacks)	0	0	0	0	0	0	0	1								1	
57243000	Honey Smacks, Kellogg's (formerly Smacks; Honey Smacks)	0	1	1	1	1	1	1	0								1	0
57243000	Smacks, Kellogg's (formerly Honey Smacks)	1	0	0	0	0	0	0	0								1	0
57243070	Jenny-O's	1	1	1	1	1	0	0	0								1	0
57244000	Just Right	1	1	1	1	1	0	0	0								1	0
57245000	Just Right Fruit and Nut (formerly Just Right with raisins, dates, and nuts)	1	1	1	1	1	0	0	0								1	0
57250000	Pokemon, Kellogg's	1	0	0	0	0	0	0	0								1	0
57301100	Kaboom	1	1	1	1	1	0	0	0								1	0
57301500	Cereal (Kashi 7 Whole Grain Pulls)	0	0	0	0	0	0	0	0								1	0
57301500	Kashi, Puffed	1	1	1	1	1	1	1	0								1	0
57301505	Cereal (Kashi Autumn Wheat)	0	0	0	0	0	0	0	0								1	0
57301505	Kashi Autumn Wheat	0	0	1	1	1	1	1	0								1	0
57301510	Cereal (Kashi GGLEAM)	0	0	0	0	0	0	0	0								1	0
57301510	Kashi GGLEAM	0	0	1	1	1	1	1	0								1	0
57301510	Kashi Golean	0	1	0	0	0	0	0	0								1	0
57301511	Cereal (Kashi GGLEAM Crunch)	0	0	0	0	0	0	0	1								1	0
57301511	Kashi GGLEAM Crunch	0	0	1	1	1	1	1	0								1	0
57301511	Kashi Golean Crunch	0	1	0	0	0	0	0	0								1	0
57301512	Cereal (Kashi GGLEAM Crunch Honey Almond Flax)	0	0	0	0	0	0	0	0								1	0
57301512	Kashi GGLEAM Crunch Honey Almond Flax	0	0	1	1	1	1	1	0								1	0
57301520	Cereal (Kashi Good Friends)	0	0	0	0	0	0	0	0								1	0
57301520	Kashi Good Friends	0	1	1	1	1	1	1	0								1	0
57301530	Cereal (Kashi Heart to Heart Honey Toasted Oat)	0	0	0	0	0	0	0	1								1	0
57301530	Kashi Heart to Heart	0	1	1	0	0	0	0	0								1	0
57301530	Kashi Heart to Heart Honey Toasted Oat	0	0	0	1	1	1	1	0								1	0
57301535	Cereal (Kashi Heart to Heart Oat Flakes and Blueberry Clusters)	0	0	0	0	0	0	0	1								1	0
57301535	Kashi Heart to Heart Oat Flakes and Blueberry Clusters	0	0	0	0	0	1	1	0								1	0
57301540	Cereal (Kashi Honey Sunshine Squares)	0	0	0	0	0	0	0	1								1	0
57301540	Kashi Honey Sunshine	0	0	0	0	0	1	1	0								1	0
57302100	Cereal (Quaker King of Vitamins)	0	0	0	0	0	0	0	1								1	0
57302100	King of Vitamins	1	1	1	1	1	1	1	0								1	0
57303100	Cereal (General Mills Kia)	0	0	0	0	0	0	0	1								1	0
57303100	Kia	1	1	1	1	1	1	1	0								1	0
57303105	Cereal (General Mills Honey Kia)	0	0	0	0	0	0	0	1								1	0
57303105	Honey Kia	0	0	0	0	0	1	1	0								1	0
57303200	Cereal (Kellogg's Krave)	0	0	0	0	0	0	0	1								1	0
57304100	Cereal (Quaker Life)	0	0	0	0	0	0	0	0								1	0
57304100	Life (plain and cinnamon)	1	1	1	1	1	1	1	0								1	0
57305100	Cereal (General Mills Lucky Charms)	0	0	0	0	0	0	0	0								1	0
57305100	Lucky Charms	1	1	1	1	1	1	1	0								1	0
57305150	Cereal, frosted oat cereal with marshmallows	0	0	0	0	0	0	0	0								1	0
57305150	Frosted oat cereal with marshmallows	1	1	1	1	1	1	1	0								1	0
57305160	Cereal (Malt-O-Meal Blueberry Muffin Topp)	0	0	0	0	0	0	0	1								1	0
57305160	Malt-O-Meal Blueberry Muffin Topp	0	0	0	0	0	1	1	0								1	0
57305165	Cereal (Malt-O-Meal Cinnamon Toasters)	0	0	0	0	0	0	0	1								1	0
57305165	Malt-O-Meal Cinnamon Toasters	0	0	0	0	0	1	1	0								1	0
57305170	Cereal (Malt-O-Meal Coco-Roos)	0	0	0	0	0	0	0	0								1	0
57305170	Malt-O-Meal Coco-Roos	1	1	1	1	1	1	1	0								1	0
57305174	Cereal (Malt-O-Meal Colossal Crunch)	0	0	0	0	0	0	0	0								1	0
57305174	Malt-O-Meal Colossal Crunch	0	0	0	0	0	1	1	0								1	0
57305175	Cereal (Malt-O-Meal Cocoa Dyno-Bites)	0	0	0	0	0	0	0	0								1	0
57305175	Malt-O-Meal Cocoa Dyno-Bites	0	0	0	0	0	1	1	0								1	0
57305180	Cereal (Malt-O-Meal Corn Bursts)	0	0	0	0	0	0	0	1								1	0
57305180	Malt-O-Meal Corn Bursts	1	1	1	1	1	1	1	0								1	0
57305200	Cereal (Malt-O-Meal Crispy Rice)	0	0	0	0	0	0	0	1								1	0
57305200	Malt-O-Meal Crispy Rice	1	1	1	1	1	1	1	0								1	0
57305210	Cereal (Malt-O-Meal Frosted Flakes)	0	0	0	0	0	0	0	0								1	0
57305210	Malt-O-Meal Frosted Flakes	1	1	1	1	1	1	1	0								1	0
57305215	Cereal (Malt-O-Meal Frosted Mini Spooners)	0	0	0	0	0	0	0	0								1	0
57305215	Malt-O-Meal Frosted Mini Spooners	0	0	0	0	0	1	1	0								1	0
57305300	Cereal (Malt-O-Meal Fruity Dyno-Bites)	0	0	0	0	0	0	0	0								1	0
57305300	Malt-O-Meal Fruity Dyno-Bites	0	0	1	1	1	1	1	0								1	0
57305400	Cereal (Malt-O-Meal Honey Graham Squares)	0	0	0	0	0	0	0	1								1	0
57305400	Malt-O-Meal Honey Graham Squares	0	0	0	0	0	1	1	0								1	0
57305500	Cereal (Malt-O-Meal Honey Nut Tostitos)	0	0	0	0	0	0	0	1								1	0
57305500	Malt-O-Meal Honey and Nut Tostitos	1	1	1	1	1	1	1	0								1	0
57305600	Cereal (Malt-O-Meal Marshmallow Mateys)	0	0	0	0	0	0	0	1								1	0
57305600	Malt-O-Meal Marshmallow Mateys	1	1	1	1	1	1	1	0								1	0
57305610	Malt-O-Meal Puffed Rice	1	1	1	1	1	1	1	0								1	0

Appendix A. List of food codes and inferred proportions

NHANES biennials			Reduced-fat mayonnaise, reduced-sugar ketchup/mustard, and other reduced-fat/sugar condiments	Dry-mix seasoning and blends	Bakery cookies and pastry	Bakery reduced-fat cookies and pastry	RTD sport nutrition beverages	RTD beverages	Reduced-sugar cereals (RTD) and cereal bars	Candies	Confectionary	Dairy and imitation dairy products	Infant food: cereal	Infant food: bakery	Powdered beverage mix	Sauces, Instant and prepared	Reduced-fat salad dressing, pourable and spoonable	Reduced-sugar snack-based fillings
57328000	Cereal (Quaker Oats)	0	0	0	0	0	0	0	1									
57328000	Oats	1	1	1	1	1	1	1	1									
57329000	Cereal, raisin bran	0	0	0	0	0	0	0	1									
57329000	Raisin bran, NFS	1	1	1	1	1	1	1	0									
57330000	Cereal (Kellogg's Raisin Bran)	0	0	0	0	0	0	0	1									
57330000	Raisin Bran, Kellogg	1	0	0	0	0	0	0	0									
57330000	Raisin Bran, Kellogg's	0	1	1	1	1	1	1	0									
57330010	Cereal (Kellogg's Raisin Bran Crunch)	0	0	0	0	0	0	0	1									
57330010	Raisin Bran Crunch, Kellogg's	0	1	1	1	1	1	1	0									
57331000	Cereal (Post Raisin Bran)	0	0	0	0	0	0	0	1									
57331000	Raisin Bran, Post	1	1	1	1	1	1	1	0									
57332050	Cereal (General Mills Total Raisin Bran)	0	0	0	0	0	0	0	1									
57332050	Raisin Bran, Total	1	1	1	1	1	1	1	0									
57332100	Cereal (General Mills Raisin Nut Bran)	0	0	0	0	0	0	0	1									
57332100	Raisin Nut Bran	1	1	1	1	1	1	1	0									
57335500	Raisin Mini Wheats, Kellogg's (formerly Raisin Squares)	1	1	0	0	0	0	0	0									
57335550	Mini Wheats, Raisin Squares	0	0	0	0	0	0	0	1									
57335550	Reese's Peanut Butter Puffs Cereal	1	1	1	1	1	1	1	0									
57336000	Cereal (General Mills Chee Rice)	0	0	0	0	0	0	0	1									
57336000	Rice Chee	1	1	1	1	1	1	1	0									
57337000	Cereal, rice flakes	0	0	0	0	0	0	0	1									
57337000	Rice Flakes, NFS	1	1	1	1	1	1	1	0									
57339000	Cereal (Kellogg's Rice Krispies)	0	0	0	0	0	0	0	1									
57339000	Rice Krispies	1	1	0	0	0	0	0	0									
57339000	Rice Krispies, Kellogg's	0	0	1	1	1	1	1	0									
57339100	Rice Krispies with Real Strawberries, Kellogg's	0	0	1	1	1	1	1	0									
57339500	Cereal (Kellogg's Rice Krispies Treats Cereal)	0	0	0	0	0	0	0	0									
57339500	Rice Krispies Treats Cereal (Kellogg's)	1	1	0	0	0	0	0	0									
57339500	Rice Krispies Treats Cereal, Kellogg's	0	0	1	1	1	1	1	0									
57340000	Cereal, puffed rice	0	0	0	0	0	0	0	1									
57340000	Rice, puffed	1	1	1	1	1	1	1	0									
57340700	Scooby Doo cereal, Kellogg's	0	1	0	0	0	0	0	0									
57340700	Scooby Doo Cinnamon Marshmallow Cereal, Kellogg's	1	0	0	0	0	0	0	0									
57341000	Cereal (Post Shredded Wheat Bran)	0	0	0	0	0	0	0	1									
57341000	Shredded Wheat Bran	1	1	1	1	1	1	1	0									
57341200	Cereal (Kellogg's Smart Start Strong)	0	0	0	0	0	0	0	1									
57341200	Smart Start Strong Heart Healthy Cereal, Kellogg's	0	0	0	0	0	0	0	0									
57341200	Smart Start, Kellogg's	1	1	1	0	0	0	0	0									
57342010	Smorz, Kellogg's	0	1	1	1	1	1	1	0									
57344000	Cereal (Kellogg's Special K)	0	0	0	0	0	0	0	1									
57344000	Special K	1	1	1	1	1	1	1	0									
57344001	Cereal (Kellogg's Special K Blueberry)	0	0	0	0	0	0	0	1									
57344001	Special K Blueberry	0	0	0	0	0	0	0	1									
57344005	Cereal (Kellogg's Special K Chocolatey Delight)	0	0	0	0	0	0	0	1									
57344005	Special K Chocolatey Delight	0	0	1	1	1	1	1	0									
57344007	Cereal (Kellogg's Special K Low Fat Granola)	0	0	0	0	0	0	0	1									
57344007	Special K Low Fat Granola	0	0	0	0	0	0	0	1									
57344010	Cereal (Kellogg's Special K Red Berries)	0	0	0	0	0	0	0	1									
57344010	Special K Red Berries	0	1	1	1	1	1	1	0									
57344015	Cereal (Kellogg's Special K Fruit & Yogurt)	0	0	0	0	0	0	0	1									
57344015	Special K Fruit & Yogurt	0	1	1	1	1	1	1	0									
57344020	Cereal (Kellogg's Special K Vanilla Almond)	0	0	0	0	0	0	0	1									
57344020	Special K Vanilla Almond	0	1	1	1	1	1	1	0									
57344025	Cereal (Kellogg's Special K Cinnamon Pecan)	0	0	0	0	0	0	0	1									
57344025	Special K Cinnamon Pecan, Kellogg's	0	0	0	1	1	1	1	0									
57346500	Oatmeal Honey Nut Heaven, Quaker (formerly Toasted Oatmeal Honey Nut)	1	1	1	1	1	1	1	0									
57347000	Cereal (Kellogg's Corn Pops)	0	0	0	0	0	0	0	1									
57347000	Corn Pops	1	1	1	1	1	1	1	0									
57347500	Strawberry Squares Mini Wheats, Kellogg's (formerly Strawberry Squares)	1	1	0	0	0	0	0	0									
57348000	Cereal, frosted corn flakes	0	0	0	0	0	0	0	1									
57348000	Frosted corn flakes, NFS	1	1	1	1	1	1	1	0									
57349000	Cereal (Kellogg's Frosted Flakes)	0	0	0	0	0	0	0	1									
57349000	Frosted Flakes, Kellogg	1	0	0	0	0	0	0	0									
57349000	Frosted Flakes, Kellogg's	0	1	1	1	1	1	1	0									
57349020	Cereal (Kellogg's Frosted Flakes, Reduced Sugar)	0	0	0	0	0	0	0	1									
57349020	Frosted Flakes 1/3 Less Sugar, Kellogg's	0	1	0	0	0	0	0	0									
57349020	Reduced Sugar Frosted Flakes Cereal, Kellogg's	0	0	1	1	1	1	1	0									
57355000	Cereal (Post Golden Crisp)	0	0	0	0	0	0	0	1									
57355000	Golden Crisp (formerly called Super Golden Crisp)	1	1	1	1	1	1	1	0									
57401100	Cereal, toasted oat	0	0	0	0	0	0	0	1									
57401100	Toasted oat cereal	1	1	1	1	1	1	1	0									

Appendix A. List of food codes and Inferred proportions

			MILK/BIENNAIS				Reduced-fat margarine, reduced- sugar ketchup/mustard, and other reduced- fat/sugar condiments	Oryzine seasoning and blends	Bakery cookies and pastry	Bakery reduced- fat cookies and pastry	RTD sport nutrition beverages	RTD beverages	Reduced- sugar cereals (RTE) and cereal bars	Candies	Confectionary	Dairy and imitation dairy products	Infant food: cereal	Infant food: bakery	Powdered beverage mix	Sauces, instant and prepared	Reduced-fat salad dressing, pourable and spoonable	Reduced-sugar snack-based fillings
58125120	Spinach quiche, meatless	1	1	1	1	1	1	1	1													
58125180	Cheese quiche, meatless	1	1	1	1	1	1	1	1													
58126000	Biereck (turnover filled with ground beef and cabbage mixture)	1	1	1	1	1	1	1	1	0												
58126000	Turnover filled with ground beef and cabbage	0	0	0	0	0	0	0	0	1												
58126110	Turnover, meat-filled, no gravy	1	1	1	1	1	1	1	1	1												
58126120	Turnover, meat-filled, with gravy	1	1	1	1	1	1	1	1	0												
58126120	Turnover, meat-filled, with gravy	0	0	0	0	0	0	0	0	1											0.467392456	
58126130	Turnover, meat- and cheese-filled, no gravy	1	1	1	1	1	1	1	1	0											0.467392456	
58126130	Turnover, meat- and cheese-filled, no gravy	0	0	0	0	0	0	0	0	1												
58126140	Turnover, meat- and bean-filled, no gravy	1	1	1	1	1	1	1	1	0												
58126140	Turnover, meat- and bean-filled, no gravy	0	0	0	0	0	0	0	0	1												
58126150	Turnover, meat- and cheese-filled, tomato-based sauce	1	1	1	1	1	1	1	1	0												
58126150	Turnover, meat- and cheese-filled, tomato-based sauce	0	0	0	0	0	0	0	0	1												
58126160	Turnover, cheese-filled, tomato-based sauce	0	0	0	0	0	1	1	1	1												
58126170	Turnover filled with meat and vegetable, no potatoes, no gravy	0	0	0	0	0	0	0	0	1												
58126170	Turnover, meat- and vegetable-filled (no potatoes, no gravy)	1	1	1	1	1	1	1	1	0												
58126180	Turnover, meat-, potato-, and vegetable-filled, no gravy	0	0	0	0	0	0	0	0	1												
58126180	Turnover, meat-, potato-, and vegetable-filled, no gravy	1	1	1	1	1	1	1	1	0												
58126270	Turnover, chicken- or turkey-, and cheese-filled, no gravy	0	0	0	0	0	0	0	0	1												
58126270	Turnover, chicken- or turkey-, and cheese-filled, no gravy	1	1	1	1	1	1	1	1	0												
58126280	Turnover, chicken- or turkey-, and vegetable-filled, lower in fat	1	0	0	0	0	0	0	0	0												
58126280	Turnover, chicken- or turkey-, and vegetable-filled, lower in fat	0	0	0	0	0	0	0	0	1												
58126280	Turnover, chicken- or turkey-, and vegetable-filled, lower in fat	0	1	1	1	1	1	1	1	0												
58126290	Turnover, meat- and cheese-filled, lower in fat	0	1	1	1	1	1	1	1	0												
58126290	Turnover, meat- and cheese-filled, lower in fat	0	0	0	0	0	0	0	0	1												
58126290	Turnover, meat- and cheese-filled, lower in fat	1	0	0	0	0	0	0	0	0												
58126300	Turnover, meat- and cheese-filled, tomato-based sauce, lower in fat	0	1	1	1	1	1	1	1	0												
58126300	Turnover, meat- and cheese-filled, tomato-based sauce, lower in fat	0	0	0	0	0	0	0	0	1												
58126300	Turnover, meat- and cheese-filled, tomato-based sauce, lower in fat	1	0	0	0	0	0	0	0	0												
58126310	Turnover, chicken-, with gravy	1	1	1	1	1	1	1	1	0												
58126310	Turnover, chicken-, with gravy	0	0	0	0	0	0	0	0	1												
58126400	Turnover, filled with egg, meat and cheese	0	1	1	1	1	1	1	1	0												
58126400	Turnover, filled with egg, meat and cheese	0	0	0	0	0	0	0	0	1												
58126410	Turnover, filled with egg, meat, and cheese, lower in fat	0	0	0	0	1	1	1	1	0												
58126410	Turnover, filled with egg, meat, and cheese, lower in fat	0	0	0	0	0	0	0	0	1												
58127110	Vegetables in pastry	0	0	0	0	0	0	0	0	1												
58127110	Vegetables in pastry	1	1	1	1	1	1	1	1	0												
58127150	Vegetables and cheese in pastry	1	1	1	1	1	1	1	1	1												
58127150	Vegetables and cheese in pastry	0	0	0	0	0	0	0	0	1												
58127200	Croissant sandwich, filled with broccoli and cheese	0	0	0	0	0	0	0	0	1												
58127200	Croissant sandwich, filled with broccoli and cheese	1	1	1	1	1	1	1	1	0												
58127210	Croissant sandwich, filled with ham and cheese	0	0	0	0	0	0	0	0	1												
58127210	Croissant sandwich, filled with ham and cheese	1	1	1	1	1	1	1	1	0												
58127220	Croissant sandwich, filled with chicken, broccoli, and cheese sauce	0	0	0	0	0	0	0	0	1												
58127220	Croissant sandwich, filled with chicken, broccoli, and cheese sauce	1	1	1	1	1	1	1	1	0												
58127270	Croissant sandwich with sausage and egg	0	0	0	0	0	0	0	0	1												
58127270	Croissant sandwich with sausage and egg	1	1	1	1	1	1	1	1	0												
58127290	Croissant sandwich with bacon and egg	0	0	0	0	0	0	0	0	1												
58127290	Croissant sandwich with bacon and egg	1	1	1	1	1	1	1	1	0												
58127310	Croissant sandwich with ham, egg, and cheese	0	0	0	0	0	0	0	0	1												
58127310	Croissant sandwich with ham, egg, and cheese	1	1	1	1	1	1	1	1	0												
58127330	Croissant sandwich with sausage, egg, and cheese	0	0	0	0	0	0	0	0	1												
58127330	Croissant sandwich with sausage, egg, and cheese	1	1	1	1	1	1	1	1	0												
58127350	Croissant sandwich with bacon, egg, and cheese	0	0	0	0	0	0	0	0	1												
58127350	Croissant sandwich with bacon, egg, and cheese	1	1	1	1	1	1	1	1	0												
58127500	Vegetable submarine sandwich, with fat free spread	0	0	0	0	1	1	1	1	0												
58127500	Vegetable submarine sandwich, with fat free spread	0	0	0	0	0	0	0	0	1												
58127510	Vegetable submarine sandwich, with spread	0	0	0	0	0	0	0	0	1												
58127510	Vegetable submarine sandwich, with spread	0	0	0	0	0	0	0	0	1												
58128000	Biscuit with gravy	1	1	1	1	1	1	1	1	0												
58128000	Biscuit with gravy	0	0	0	0	0	0	0	0	1												

Appendix A. List of food codes and inferred proportions

	NHANES biennials							Reduced-fat margarine, reduced-sugar ketchup/mustard, and other reduced-fat/sugar condiments	Dry-mix seasoning and blends	Bakery cookies and pastry	Bakery reduced-fat cookies and pastry	RTD sport nutrition beverages	RTD beverages	Reduced-sugar cereals (RTE) and cereal bars	Candies	Confectionary	Dairy and imitation dairy products	Infant food: cereal	Infant food: bakery	Powdered beverage mix	Sauces, instant and prepared	Reduced-fat salad dressing, pourable and spoonable	Reduced-sugar snack-based fillings
58134310	Stuffed shells, with fish and/or shellfish, with tomato sauce	1	1	1	1	1	1	0												0.333633934			
58134310	Stuffed shells, with fish and/or shellfish, with tomato sauce	0	0	0	0	0	0	0	1												0.333633934		
58134610	Tortellini, meat-filled, with tomato sauce	1	1	1	1	1	1	0													0.321531561		
58134610	Tortellini, meat-filled, with tomato sauce	0	0	0	0	0	0	0	1												0.321531561		
58134613	Tortellini, meat-filled, with tomato sauce, canned	1	1	1	1	1	1	0													0.472		
58134613	Tortellini, meat-filled, with tomato sauce, canned	0	0	0	0	0	0	0	1												0.472		
58134620	Tortellini, cheese-filled, meatless, with tomato sauce	1	1	1	1	1	1	0													0.466085106		
58134620	Tortellini, cheese-filled, meatless, with tomato sauce	0	0	0	0	0	0	0	1												0.466085106		
58134623	Tortellini, cheese-filled, meatless, with tomato sauce, canned	0	0	0	0	0	0	0	1												0.028084253		
58134623	Tortellini, cheese-filled, meatless, with tomato sauce, canned	1	1	1	1	1	1	0													0.028084253		
58134630	Tortellini, cheese-filled, meatless, with vegetables and vinaigrette dressing	1	1	1	1	1	1	0														1	
58134630	Tortellini, cheese-filled, meatless, with vegetables and vinaigrette dressing	0	0	0	0	0	0	0	1													1	
58134640	Tortellini, cheese-filled, meatless, with vinaigrette dressing	1	1	1	1	1	1	0														1	
58134640	Tortellini, cheese-filled, meatless, with vinaigrette dressing	0	0	0	0	0	0	0	1													1	
58134660	Tortellini, cheese-filled, with cream sauce	1	1	1	1	1	1	0													0.349457293		
58134660	Tortellini, cheese-filled, with cream sauce	0	0	0	0	0	0	0	1												0.349457293		
58134710	Tortellini, spinach-filled, with tomato sauce	1	1	1	1	1	1	0													0.195580599		
58134710	Tortellini, spinach-filled, with tomato sauce	0	0	0	0	0	0	0	1												0.195580599		
58145115	Macaroni or noodles with cheese, from boxed mix with already prepared cheese sauce	1	1	1	1	1	0	0													0.215879017		
58146100	Pasta with tomato sauce, meatless	1	1	1	1	1	1	0													0.476677988		
58146110	Pasta with meat sauce	1	1	1	1	1	1	0													0.318434844		
58146120	Pasta with cheese and meat sauce	1	1	1	1	1	1	0													0.273719324		
58146120	Pasta with tomato-based sauce, cheese and meat	0	0	0	0	0	0	0	1												0.273719324		
58146130	Pasta with carbonara sauce	1	1	1	1	1	1	0													0.288573656		
58146150	Pasta with cheese and tomato sauce, meatless	1	1	1	1	1	1	0													0.602347952		
58146150	Pasta with tomato-based sauce and cheese	0	0	0	0	0	0	0	1												0.602347952		
58146200	Pasta, meat-filled, with gravy, canned	1	1	1	1	1	1	0													0.318292843		
58146200	Pasta, meat-filled, with gravy, canned	0	0	0	0	0	0	0	1												0.318292843		
58146210	Pasta with sauce, NFS	0	0	0	0	0	0	0	1														
58146215	Pasta with sauce, meatless, school lunch	0	0	0	0	0	0	0	1												0.480591497		
58146221	Pasta with tomato-based sauce, restaurant	0	0	0	0	0	0	0	1												0.445969125		
58146222	Pasta with tomato-based sauce, home recipe	0	0	0	0	0	0	0	1												0.481481481		
58146223	Pasta with tomato-based sauce, ready-to-heat	0	0	0	0	0	0	0	1												0.471014493		
58146300	Pasta, whole wheat, with meat sauce	1	1	1	1	1	1	0													0.318434844		
58146301	Pasta with tomato-based sauce, and added vegetables, restaurant	0	0	0	0	0	0	0	1												0.445969125		
58146302	Pasta with tomato-based sauce, and added vegetables, home recipe	0	0	0	0	0	0	0	1												0.481481481		
58146303	Pasta with tomato-based sauce, and added vegetables, ready-to-heat	0	0	0	0	0	0	0	1												0.471014493		
58146310	Pasta, whole wheat, with tomato sauce, meatless	1	1	1	1	1	1	0													0.476677127		
58146315	Pasta with sauce and meat, from school lunch	0	0	0	0	0	0	0	1												0.432612333		
58146321	Pasta with tomato-based sauce and meat, restaurant	0	0	0	0	0	0	0	1												0.445969125		
58146322	Pasta with tomato-based sauce and meat, home recipe	0	0	0	0	0	0	0	1												0.481481481		
58146323	Pasta with tomato-based sauce and meat, ready-to-heat	0	0	0	0	0	0	0	1												0.471014493		
58146331	Pasta with tomato-based sauce, meat, and added vegetables, restaurant	0	0	0	0	0	0	0	1												0.445969125		
58146332	Pasta with tomato-based sauce, meat, and added vegetables, home recipe	0	0	0	0	0	0	0	1												0.481481481		
58146333	Pasta with tomato-based sauce, meat, and added vegetables, ready-to-heat	0	0	0	0	0	0	0	1												0.471014493		
58146341	Pasta with tomato-based sauce and poultry, restaurant	0	0	0	0	0	0	0	1												0.445969125		
58146342	Pasta with tomato-based sauce and poultry, home recipe	0	0	0	0	0	0	0	1												0.481481481		
58146343	Pasta with tomato-based sauce and poultry, ready-to-heat	0	0	0	0	0	0	0	1												0.471014493		
58146351	Pasta with tomato-based sauce, poultry, and added vegetables, restaurant	0	0	0	0	0	0	0	1												0.445969125		
58146352	Pasta with tomato-based sauce, poultry, and added vegetables, home recipe	0	0	0	0	0	0	0	1												0.481481481		
58146353	Pasta with tomato-based sauce, poultry, and added vegetables, ready-to-heat	0	0	0	0	0	0	0	1												0.471014493		
58146361	Pasta with tomato-based sauce and seafood, restaurant	0	0	0	0	0	0	0	1												0.445969125		
58146362	Pasta with tomato-based sauce and seafood, home recipe	0	0	0	0	0	0	0	1												0.481481481		

Appendix A. List of food codes and Inferred proportions

		NHANES biennial							Reduced-fat margarine, reduced-sugar ketchup/mustard, and other reduced-fat/sugar condiments	Dry-mix seasoning and blends	Bakery coolies and pastry	Bakery reduced-fat coolies and pastry	RTD sport nutrition beverages	RTD beverages	Reduced-sugar cereals (RTE) and cereal bars	Candies	Confectionary	Dairy and imitation dairy products	Infant food: cereal	Infant food: bakery	Powdered beverage mix	Sauces, instant and prepared	Reduced-fat salad dressing, pourable and spoonable	Reduced-sugar snack-based fillings
58146363	Pasta with tomato-based sauce and seafood, ready-to-heat	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.471014493	0	0	
58146371	Pasta with tomato-based sauce, seafood, and added vegetables, restaurant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.445969125	0	0	
58146372	Pasta with tomato-based sauce, seafood, and added vegetables, home recipe	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.481481481	0	0	
58146373	Pasta with tomato-based sauce, seafood, and added vegetables, ready-to-heat	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.471014493	0	0	
58146381	Pasta with cream sauce, restaurant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.444444444	0	0	
58146382	Pasta with cream sauce, home recipe	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.481481481	0	0	
58146383	Pasta with cream sauce, ready-to-heat	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.471014493	0	0	
58146391	Pasta with cream sauce and added vegetables, restaurant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.444444444	0	0	
58146392	Pasta with cream sauce and added vegetables, from home recipe	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.481481481	0	0	
58146393	Pasta with cream sauce and added vegetables, ready-to-heat	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.471014493	0	0	
58146401	Pasta with cream sauce and meat, restaurant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.444444444	0	0	
58146402	Pasta with cream sauce and meat, home recipe	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.481481481	0	0	
58146403	Pasta with cream sauce and meat, ready-to-heat	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.471014493	0	0	
58146411	Pasta with cream sauce, meat, and added vegetables, restaurant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.444444444	0	0	
58146412	Pasta with cream sauce, meat, and added vegetables, home recipe	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.481481481	0	0	
58146413	Pasta with cream sauce, meat, and added vegetables, ready-to-heat	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.471014493	0	0	
58146421	Pasta with cream sauce and poultry, restaurant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.444444444	0	0	
58146422	Pasta with cream sauce and poultry, home recipe	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.481481481	0	0	
58146423	Pasta with cream sauce and poultry, ready-to-heat	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.471014493	0	0	
58146431	Pasta with cream sauce, poultry, and added vegetables, restaurant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.444444444	0	0	
58146432	Pasta with cream sauce, poultry, and added vegetables, home recipe	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.481481481	0	0	
58146433	Pasta with cream sauce, poultry, and added vegetables, ready-to-heat	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.471014493	0	0	
58146441	Pasta with cream sauce and seafood, restaurant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.444444444	0	0	
58146442	Pasta with cream sauce and seafood, home recipe	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.481481481	0	0	
58146443	Pasta with cream sauce and seafood, ready-to-heat	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.471014493	0	0	
58146451	Pasta with cream sauce, seafood, and added vegetables, restaurant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.444444444	0	0	
58146452	Pasta with cream sauce, seafood, and added vegetables, home recipe	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.481481481	0	0	
58146453	Pasta with cream sauce, seafood, and added vegetables, ready-to-heat	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.471014493	0	0	
58146601	Pasta, whole grain, with tomato-based sauce, restaurant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.445969125	0	0	
58146602	Pasta, whole grain, with tomato-based sauce, home recipe	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.481481481	0	0	
58146603	Pasta, whole grain, with tomato-based sauce, ready-to-heat	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.471014493	0	0	
58146611	Pasta, whole grain, with tomato-based sauce and added vegetables, restaurant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.445969125	0	0	
58146612	Pasta, whole grain, with tomato-based sauce and added vegetables, home recipe	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.481481481	0	0	
58146613	Pasta, whole grain, with tomato-based sauce and added vegetables, ready-to-heat	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.471014493	0	0	
58146621	Pasta, whole grain, with tomato-based sauce and meat, restaurant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.445969125	0	0	
58146622	Pasta, whole grain, with tomato-based sauce and meat, home recipe	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.481481481	0	0	
58146623	Pasta, whole grain, with tomato-based sauce and meat, ready-to-heat	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.471014493	0	0	
58146631	Pasta, whole grain, with tomato-based sauce, meat, and added vegetables, restaurant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.445969125	0	0	
58146632	Pasta, whole grain, with tomato-based sauce, meat, and added vegetables, home recipe	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.481481481	0	0	
58146633	Pasta, whole grain, with tomato-based sauce, meat, and added vegetables, ready-to-heat	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.471014493	0	0	
58146641	Pasta, whole grain, with tomato-based sauce and poultry, restaurant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.445969125	0	0	
58146642	Pasta, whole grain, with tomato-based sauce and poultry, home recipe	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.481481481	0	0	
58146643	Pasta, whole grain, with tomato-based sauce and poultry, ready-to-heat	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.471014493	0	0	
58146651	Pasta, whole grain, with tomato-based sauce, poultry, and added vegetables, restaurant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.445969125	0	0	

Appendix A. List of food codes and inferred proportions

		NHANES biennials					Reduced-fat mayonnaise, reduced- sugar ketchup/mustard, and other reduced- fat/sugar condiments	Dry-mix seasoning and blends	Savory cookies and pastry	Bakery reduced- fat cookies and pastry	RTD sport nutrition beverages	RTD beverages	Reduced- sugar cereals (RTE) and cereal bars	Candies	Confectionary	Dairy and imitation dairy products	Infant food: cereal	Infant food: bakey	Powdered beverage mix	Sauces, instant and prepared	Reduced-fat salad dressing, pourable and spoonable	Reduced-sugar snack-based fillings
58146652	Pasta, whole grain, with tomato-based sauce, poultry, and added vegetables, home recipe	0	0	0	0	0	0	0	1											0.481481481		
58146653	Pasta, whole grain, with tomato-based sauce, poultry, and added vegetables, ready-to-heat	0	0	0	0	0	0	0	1											0.471014493		
58146661	Pasta, whole grain, with tomato-based sauce and seafood, restaurant	0	0	0	0	0	0	0	1											0.445959125		
58146662	Pasta, whole grain, with tomato-based sauce and seafood, home recipe	0	0	0	0	0	0	0	1											0.481481481		
58146663	Pasta, whole grain, with tomato-based sauce and seafood, ready-to-heat	0	0	0	0	0	0	0	1											0.471014493		
58146671	Pasta, whole grain, with tomato-based sauce, seafood, and added vegetables, restaurant	0	0	0	0	0	0	0	1											0.445969125		
58146672	Pasta, whole grain, with tomato-based sauce, seafood, and added vegetables, home recipe	0	0	0	0	0	0	0	1											0.481481481		
58146673	Pasta, whole grain, with tomato-based sauce, seafood, and added vegetables, ready-to-heat	0	0	0	0	0	0	0	1											0.471014493		
58146681	Pasta, whole grain, with cream sauce, restaurant	0	0	0	0	0	0	0	1											0.444444444		
58146682	Pasta, whole grain, with cream sauce, home recipe	0	0	0	0	0	0	0	1											0.481481481		
58146683	Pasta, whole grain, with cream sauce, ready-to-heat	0	0	0	0	0	0	0	1											0.471014493		
58146691	Pasta, whole grain, with cream sauce, and added vegetables, restaurant	0	0	0	0	0	0	0	1											0.444444444		
58146692	Pasta, whole grain, with cream sauce, and added vegetables, home recipe	0	0	0	0	0	0	0	1											0.481481481		
58146693	Pasta, whole grain, with cream sauce, and added vegetables, ready-to-heat	0	0	0	0	0	0	0	1											0.471014493		
58146701	Pasta, whole grain, with cream sauce and meat, restaurant	0	0	0	0	0	0	0	1											0.444444444		
58146702	Pasta, whole grain, with cream sauce and meat, home recipe	0	0	0	0	0	0	0	1											0.481481481		
58146703	Pasta, whole grain, with cream sauce and meat, ready-to-heat	0	0	0	0	0	0	0	1											0.471014493		
58146711	Pasta, whole grain, with cream sauce, meat, and added vegetables, restaurant	0	0	0	0	0	0	0	1											0.444444444		
58146712	Pasta, whole grain, with cream sauce, meat, and added vegetables, home recipe	0	0	0	0	0	0	0	1											0.481481481		
58146713	Pasta, whole grain, with cream sauce, meat, and added vegetables, ready-to-heat	0	0	0	0	0	0	0	1											0.471014493		
58146721	Pasta, whole grain, with cream sauce and poultry, restaurant	0	0	0	0	0	0	0	1											0.444444444		
58146722	Pasta, whole grain, with cream sauce and poultry, home recipe	0	0	0	0	0	0	0	1											0.481481481		
58146723	Pasta, whole grain, with cream sauce and poultry, ready-to-heat	0	0	0	0	0	0	0	1											0.471014493		
58146731	Pasta, whole grain, with cream sauce, poultry, and added vegetables, restaurant	0	0	0	0	0	0	0	1											0.444444444		
58146732	Pasta, whole grain, with cream sauce, poultry, and added vegetables, home recipe	0	0	0	0	0	0	0	1											0.481481481		
58146733	Pasta, whole grain, with cream sauce, poultry, and added vegetables, ready-to-heat	0	0	0	0	0	0	0	1											0.471014493		
58146741	Pasta, whole grain, with cream sauce and seafood, restaurant	0	0	0	0	0	0	0	1											0.444444444		
58146742	Pasta, whole grain, with cream sauce and seafood, home recipe	0	0	0	0	0	0	0	1											0.481481481		
58146743	Pasta, whole grain, with cream sauce and seafood, ready-to-heat	0	0	0	0	0	0	0	1											0.471014493		
58146751	Pasta, whole grain, with cream sauce, seafood, and added vegetables, restaurant	0	0	0	0	0	0	0	1											0.444444444		
58146752	Pasta, whole grain, with cream sauce, seafood, and added vegetables, home recipe	0	0	0	0	0	0	0	1											0.481481481		
58146753	Pasta, whole grain, with cream sauce, seafood, and added vegetables, ready-to-heat	0	0	0	0	0	0	0	1											0.471014493		
58147100	Pasta with pesto sauce	1	1	1	1	1	1	1	0											0.318316827		
58147110	Macaroni or noodles with beans or lentils and tomato sauce	1	1	1	1	1	1	1	0											0.367553539		
58147110	Pasta with tomato-based sauce and beans or lentils	0	0	0	0	0	0	0	1											0.367553539		
58147310	Macaroni, creamed	1	1	1	1	1	1	1	0													
58147330	Macaroni or noodles, creamed, with cheese	0	0	0	0	0	0	1	1											0.470951699		
58147350	Macaroni, creamed, with cheese	1	1	1	1	1	1	1	0											0.316424886		
58147340	Macaroni or noodles, creamed, with cheese and tuna	0	0	0	0	0	0	1	1											0.248959477		
58147340	Macaroni, creamed, with cheese and tuna	0	0	0	0	0	0	1	0											0.248959477		
58147350	Macaroni, creamed, with vegetables	1	1	1	1	1	1	1	0											0.400102426		
58148110	Macaroni or pasta salad, made with mayonnaise	0	0	0	0	0	0	0	1													1
58148110	Macaroni or pasta salad, made with mayonnaise	0	0	0	0	0	0	1	1													1
58148111	Macaroni or pasta salad, made with light mayonnaise	0	0	0	0	0	0	0	1													1
58148111	Macaroni or pasta salad, made with light mayonnaise	0	0	0	0	0	0	1	0											0.155465587		
58148111	Macaroni or pasta salad, made with light mayonnaise	0	0	0	0	0	0	1	0											0.155465587		

Appendix A. List of food codes and Inferred proportions

		NMANES biennials							Reduced-fat mayonnaise, reduced- sugar ketchup/mustard, and other reduced- fat/sugar condiments	Dry-mix seasoning and blends	Bakery cookies and pastry	Bakery reduced- fat cookies and pastry	RTD sport nutrition beverages	RTD beverages	Reduced- sugar cereals (RTD) and cereal bars	Candies	Confectionary	Dairy and imitation dairy products	Infant food: cereal	Infant food: bakery	Powdered beverage mix	Sauces, Instant and prepared	Reduced-fat salad dressing, pourable and spoonable	Reduced-sugar snack-based fillings
58148112	Macaroni or pasta salad, made with mayonnaise-type salad dressing	0	0	0	0	0	0	1															1	
58148112	Macaroni or pasta salad, made with mayonnaise-type salad dressing	0	0	0	0	1	1	0															1	
58148113	Macaroni or pasta salad, made with light mayonnaise-type salad dressing	0	0	0	0	0	0	1	0.155465587														1	
58148113	Macaroni or pasta salad, made with light mayonnaise-type salad dressing	0	0	0	0	1	1	0	0.155465587														1	
58148114	Macaroni or pasta salad, made with Italian dressing	0	0	0	0	0	0	1															1	
58148114	Macaroni or pasta salad, made with Italian dressing	0	0	0	0	1	1	0															1	
58148115	Macaroni or pasta salad, made with light Italian dressing	0	0	0	0	0	0	1															1	
58148115	Macaroni or pasta salad, made with light Italian dressing	0	0	0	0	1	1	0															1	
58148116	Macaroni or pasta salad, made with creamy dressing	0	0	0	0	0	0	1															1	
58148116	Macaroni or pasta salad, made with creamy dressing	0	0	0	0	1	1	0															1	
58148117	Macaroni or pasta salad, made with light creamy dressing	0	0	0	0	0	0	1															1	
58148117	Macaroni or pasta salad, made with light creamy dressing	0	0	0	0	1	1	0															1	
58148118	Macaroni or pasta salad, made with any type of fat free dressing	0	0	0	0	0	0	1															1	
58148118	Macaroni or pasta salad, made with any type of fat free dressing	0	0	0	0	1	1	0															1	
58148500	Pasta or macaroni salad with oil and vinegar-type dressing	1	1	1	0	0	0	0															1	
58155610	Rice meal fritter, Puerto Rican style (Arroz frito)	1	1	1	1	1	1	0		1														
58155610	Rice meal fritter, Puerto Rican style	0	0	0	0	0	0	1		1														
58160220	Rice with vegetables, tomato-based sauce (mixture)	1	1	1	1	0	0	0																
58160520	Rice, white, with tomatoes (and/or tomato-based sauce), NS as to fat added in cooking	0	0	0	0	1	1	0														0.205189375		
58160520	Rice, white, with tomatoes and/or tomato-based sauce, NS as to fat added in cooking	0	0	0	0	0	0	1														0.328262084		
58160530	Rice, white, with tomatoes and/or tomato-based sauce, fat not added in cooking	0	0	0	0	1	1	0														0.334502474		
58160530	Rice, white, with tomatoes and/or tomato-based sauce, fat not added in cooking	0	0	0	0	0	0	1														0.334502474		
58160540	Rice, white, with tomatoes and/or tomato-based sauce, fat added in cooking	0	0	0	0	0	0	1														0.328262084		
58160540	Rice, white, with tomatoes and/or tomato-based sauce, fat added in cooking	0	0	0	0	0	0	1														0.328262084		
58160580	Rice, white, with carrots and tomatoes (and/or tomato-based sauce), NS as to fat added in cooking	0	0	0	0	1	1	0														0.174565981		
58160580	Rice, white, with carrots and tomatoes and/or tomato-based sauce, NS as to fat added in cooking	0	0	0	0	0	0	1														0.174565981		
58160590	Rice, white, with carrots and tomatoes (and/or tomato-based sauce), fat not added in cooking	0	0	0	0	1	1	0														0.178089009		
58160590	Rice, white, with carrots and tomatoes and/or tomato-based sauce, fat not added in cooking	0	0	0	0	0	0	1														0.178089009		
58160600	Rice, white, with carrots and tomatoes (and/or tomato-based sauce), fat added in cooking	0	0	0	0	1	1	0														0.174565981		
58160600	Rice, white, with carrots and tomatoes and/or tomato-based sauce, fat added in cooking	0	0	0	0	0	0	1														0.174565981		
58160610	Rice, white, with dark green vegetables and tomatoes (and/or tomato-based sauce), NS as to fat added in cooking	0	0	0	0	1	1	0														0.174565981		
58160610	Rice, white, with dark green vegetables and tomatoes and/or tomato-based sauce, NS as to fat added in cooking	0	0	0	0	0	0	1														0.174565981		
58160620	Rice, white, with dark green vegetables and tomatoes (and/or tomato-based sauce), fat not added in cooking	0	0	0	0	1	1	0														0.178089009		
58160620	Rice, white, with dark green vegetables and tomatoes and/or tomato-based sauce, fat not added in cooking	0	0	0	0	0	0	1														0.178089009		
58160630	Rice, white, with dark green vegetables and tomatoes (and/or tomato-based sauce), fat added in cooking	0	0	0	0	1	1	0														0.174565981		
58160630	Rice, white, with dark green vegetables and tomatoes and/or tomato-based sauce, fat added in cooking	0	0	0	0	0	0	1														0.174565981		
58160670	Rice, white, with carrots, dark green vegetables, and tomatoes (and/or tomato-based sauce), NS as to fat added in cooking	0	0	0	0	1	1	0														0.118496904		
58160670	Rice, white, with carrots, dark green vegetables, and tomatoes and/or tomato-based sauce, NS as to fat added in cooking	0	0	0	0	0	0	1														0.118496904		
58160680	Rice, white, with carrots, dark green vegetables, and tomatoes (and/or tomato-based sauce), NS as to fat added in cooking	0	0	0	0	1	1	0														0.120940283		

Appendix A. List of food codes and Inferred proportions

NHANES biennials		Reduced-fat mayonnaise, reduced- sugar ketchup/mustard, and other reduced- fat/sugar condiments	Dry-mix seasoning and blends	Bakery cookies and pastry	Bakery reduced- fat cookies and pastry	RTD sport nutritions beverages	RTD beverages	Reduced- sugar cereals (RTS) and cereal bars	Candies	Confectionary	Dairy and imitation dairy products	Infant food: cereal	Infant food: bakery	Powdered beverage milk	Sauces, instant and prepared	Reduced-fat salad dressing, pourable and spoonable	Reduced-sugar snack-based fillings
58160680	Rice, white, with carrots, dark green vegetables, and tomatoes and/or tomato-based sauce, fat not added in cooking	0	0	0	0	0	0	0	1						0.120940283		
58160690	Rice, white, with carrots, dark green vegetables, and tomatoes (and/or tomato based sauce), fat added in cooking	0	0	0	0	0	1	1	0						0.118496904		
58160690	Rice, white, with carrots, dark green vegetables, and tomatoes and/or tomato based sauce, fat added in cooking	0	0	0	0	0	0	0	1						0.118496904		
58161300	White rice with tomato sauce	1	1	1	1	1	0	0	0						0.344292646		
58161310	Rice, brown, with tomato sauce	1	1	1	1	1	0	0	0						0.344292646		
58161460	Rice, brown, with tomatoes (and/or tomato based sauce), NS as to fat added in cooking	0	0	0	0	0	1	1	0						0.284956358		
58161460	Rice, brown, with tomatoes and/or tomato based sauce, NS as to fat added in cooking	0	0	0	0	0	0	0	1						0.284956358		
58161462	Rice, brown, with tomatoes (and/or tomato based sauce), fat not added in cooking	0	0	0	0	0	1	1	0						0.289647074		
58161462	Rice, brown, with tomatoes and/or tomato based sauce, fat not added in cooking	0	0	0	0	0	0	0	1						0.289647074		
58161464	Rice, brown, with tomatoes (and/or tomato based sauce), fat added in cooking	0	0	0	0	0	1	1	0						0.284956358		
58161464	Rice, brown, with tomatoes and/or tomato based sauce, fat added in cooking	0	0	0	0	0	0	0	1						0.284956358		
58161480	Rice, brown, with carrots and tomatoes (and/or tomato-based sauce), NS as to fat added in cooking	0	0	0	0	0	1	1	0						0.150338712		
58161480	Rice, brown, with carrots and tomatoes and/or tomato-based sauce, NS as to fat added in cooking	0	0	0	0	0	0	0	1						0.150338712		
58161482	Rice, brown, with carrots and tomatoes (and/or tomato-based sauce), fat not added in cooking	0	0	0	0	0	1	1	0						0.152944409		
58161482	Rice, brown, with carrots and tomatoes and/or tomato-based sauce, fat not added in cooking	0	0	0	0	0	0	0	1						0.152944409		
58161484	Rice, brown, with carrots and tomatoes (and/or tomato-based sauce), fat added in cooking	0	0	0	0	0	1	1	0						0.150338712		
58161484	Rice, brown, with carrots and tomatoes and/or tomato-based sauce, fat added in cooking	0	0	0	0	0	0	0	1						0.150338712		
58161490	Rice, brown, with dark green vegetables and tomatoes (and/or tomato-based sauce), NS as to fat added in cooking	0	0	0	0	0	1	1	0						0.150338712		
58161490	Rice, brown, with dark green vegetables and tomatoes and/or tomato-based sauce, NS as to fat added in cooking	0	0	0	0	0	0	0	1						0.150338712		
58161492	Rice, brown, with dark green vegetables and tomatoes (and/or tomato based sauce), fat not added in cooking	0	0	0	0	0	1	1	0						0.152944409		
58161492	Rice, brown, with dark green vegetables and tomatoes and/or tomato based sauce, fat not added in cooking	0	0	0	0	0	0	0	1						0.152944409		
58161494	Rice, brown, with dark green vegetables and tomatoes (and/or tomato-based sauce), fat added in cooking	0	0	0	0	0	1	1	0						0.150338712		
58161494	Rice, brown, with dark green vegetables and tomatoes and/or tomato based sauce, fat added in cooking	0	0	0	0	0	0	0	1						0.150338712		
58161520	Rice, brown, with carrots, dark green vegetables, and tomatoes (and/or tomato-based sauce), NS as to fat added in cooking	0	0	0	0	0	1	1	0						0.101750848		
58161520	Rice, brown, with carrots, dark green vegetables, and tomatoes and/or tomato based sauce, NS as to fat added in cooking	0	0	0	0	0	0	0	1						0.101750848		
58161522	Rice, brown, with carrots, dark green vegetables, and tomatoes (and/or tomato based sauce), fat not added in cooking	0	0	0	0	0	1	1	0						0.103547191		
58161522	Rice, brown, with carrots, dark green vegetables, and tomatoes and/or tomato based sauce, fat not added in cooking	0	0	0	0	0	0	0	1						0.103547191		
58161524	Rice, brown, with carrots, dark green vegetables, and tomatoes (and/or tomato-based sauce), fat added in cooking	0	0	0	0	0	1	1	0						0.101750848		
58161524	Rice, brown, with carrots, dark green vegetables, and tomatoes and/or tomato based sauce, fat added in cooking	0	0	0	0	0	0	0	1						0.101750848		
58163110	Rice with gravy	1	1	1	1	1	0	0	0						0.267140564		
58163510	Rice dressing	0	0	0	0	0	0	0	1								
58163510	Rice dressing	1	1	1	1	1	1	1	0								
58164500	Rice, white, with cheese and/or cream based sauce, NS as to fat added in cooking	0	0	0	0	0	0	0	1						0.331209566		
58164500	Rice, white, with cheese and/or cream based sauce, NS as to fat added in cooking	0	0	0	0	0	1	1	0						0.331209566		
58164510	Rice, white, with cheese and/or cream based sauce, fat not added in cooking	0	0	0	0	0	1	1	1						0.337477916		

Appendix A. List of food codes and Inferred proportions

RHANES biennals		Reduced-fat mayonnaise, reduced- sugar ketchup/mustard, and other reduced- fat/sugar condiments	Dry-mix seasoning and blends	Bakery cookies and pastry	Bakery reduced- fat cookies and pastry	RTD sport nutrition beverages	RTD beverages	Reduced- sugar cereals (RTE) and cereal bars	Candies	Confectionary	Dairy and imitation dairy products	Infant food: cereal	Infant food: bakery	Powdered beverage mix	Sauces, Instant and prepared	Reduced-fat salad dressing, pouable and spoonable	Reduced-sugar snack-based fillings
58164520	Rice, white, with cheese and/or cream based sauce, fat added in cooking	0	0	0	0	1	1	1							0.331209566		
58164530	Rice, white, with gravy, NS as to fat added in cooking	0	0	0	0	1	1	1							0.326419493		
58164540	Rice, white, with gravy, fat not added in cooking	0	0	0	0	1	1	1							0.3326422		
58164550	Rice, white, with gravy, fat added in cooking	0	0	0	0	1	1	1							0.326419493		
58164560	Rice, white, with soy-based sauce, NS as to fat added in cooking	0	0	0	0	1	1	0							0.321768485		
58164560	Rice, white, with soy-based sauce, NS as to fat added in cooking	0	0	0	0	0	0	1							0.321768485		
58164570	Rice, white, with soy-based sauce, fat not added in cooking	0	0	0	0	1	1	0							0.327945695		
58164570	Rice, white, with soy-based sauce, fat not added in cooking	0	0	0	0	0	0	1							0.327945695		
58164580	Rice, white, with soy-based sauce, fat added in cooking	0	0	0	0	1	1	0							0.321768485		
58164580	Rice, white, with soy-based sauce, fat added in cooking	0	0	0	0	0	0	1							0.321768485		
58164800	Rice, brown, with cheese and/or cream based sauce, NS as to fat added in cooking	0	0	0	0	0	0	1							0.287681062		
58164800	Rice, brown, with cheese and/or cream based sauce, NS as to fat added in cooking	0	0	0	0	1	1	0							0.287681062		
58164810	Rice, brown, with cheese and/or cream based sauce, fat not added in cooking	0	0	0	0	1	1	1							0.292398336		
58164820	Rice, brown, with cheese and/or cream based sauce, fat added in cooking	0	0	0	0	1	1	1							0.287681062		
58164830	Rice, brown, with gravy, NS as to fat added in cooking	0	0	0	0	1	1	1							0.293254348		
58164840	Rice, brown, with gravy, fat not added in cooking	0	0	0	0	1	1	1							0.287928370		
58164850	Rice, brown, with gravy, fat added in cooking	0	0	0	0	1	1	1							0.293254348		
58164860	Rice, brown, with soy-based sauce, NS as to fat added in cooking	0	0	0	0	1	1	0							0.278963661		
58164860	Rice, brown, with soy-based sauce, NS as to fat added in cooking	0	0	0	0	0	0	1							0.278963661		
58164870	Rice, brown, with soy-based sauce, fat not added in cooking	0	0	0	0	1	1	0							0.283594855		
58164870	Rice, brown, with soy-based sauce, fat not added in cooking	0	0	0	0	0	0	1							0.283594855		
58164880	Rice, brown, with soy-based sauce, fat added in cooking	0	0	0	0	1	1	0							0.278963661		
58164880	Rice, brown, with soy-based sauce, fat added in cooking	0	0	0	0	0	0	1							0.278963661		
58165000	Rice, white, with vegetables, cheese and/or cream based sauce, NS as to fat added in cooking	0	0	0	0	0	0	1							0.265346574		
58165000	Rice, white, with vegetables, cheese and/or cream based sauce, NS as to fat added in cooking	0	0	0	0	1	1	0							0.265346574		
58165010	Rice, white, with vegetables, cheese and/or cream based sauce, fat not added in cooking	0	0	0	0	0	0	1							0.269354715		
58165010	Rice, white, with vegetables, cheese and/or cream based sauce, fat not added in cooking	0	0	0	0	1	1	0							0.269354715		
58165020	Rice, white, with vegetables, cheese and/or cream based sauce, fat added in cooking	0	0	0	0	0	0	1							0.265346574		
58165020	Rice, white, with vegetables, cheese and/or cream based sauce, fat added in cooking	0	0	0	0	1	1	0							0.265346574		
58165030	Rice, white, with vegetables and gravy, NS as to fat added in cooking	0	0	0	0	1	1	0							0.261137745		
58165030	Rice, white, with vegetables and gravy, NS as to fat added in cooking	0	0	0	0	0	0	1							0.261137745		
58165040	Rice, white, with vegetables and gravy, fat not added in cooking	0	0	0	0	1	1	0							0.265105217		
58165040	Rice, white, with vegetables and gravy, fat not added in cooking	0	0	0	0	0	0	1							0.265105217		
58165050	Rice, white, with vegetables and gravy, fat added in cooking	0	0	0	0	1	1	1							0.261137745		
58165060	Rice, white, with vegetables, soy-based sauce, NS as to fat added in cooking	0	0	0	0	1	1	1							0.257061922		
58165070	Rice, white, with vegetables, soy-based sauce, fat not added in cooking	0	0	0	0	1	1	1							0.257061922		
58165080	Rice, white, with vegetables, soy-based sauce, fat added in cooking	0	0	0	0	1	1	1							0.257061922		
58165400	Rice, brown, with vegetables, cheese and/or cream based sauce, NS as to fat added in cooking	0	0	0	0	0	0	1							0.236658865		
58165400	Rice, brown, with vegetables, cheese and/or cream based sauce, NS as to fat added in cooking	0	0	0	0	1	1	0							0.236658865		
58165410	Rice, brown, with vegetables, cheese and/or cream based sauce, fat not added in cooking	0	0	0	0	0	0	1							0.239841985		
58165410	Rice, brown, with vegetables, cheese and/or cream based sauce, fat not added in cooking	0	0	0	0	1	1	0							0.239841985		
58165420	Rice, brown, with vegetables, cheese and/or cream based sauce, fat added in cooking	0	0	0	0	0	0	1							0.236658865		
58165420	Rice, brown, with vegetables, cheese and/or cream based sauce, fat added in cooking	0	0	0	0	1	1	0							0.236658865		

Appendix A. List of food codes and inferred proportions

		NHANES biennials					Reduced-fat margarine, reduced- sugar ketchup/mustard, and other reduced- fat/sugar condiments	Dry-mix seasoning and blends	Savory cookies and pastry	Bakery reduced- fat cookies and pastry	RTD sport nutrition beverages	RTD beverages	Reduced- sugar cereals (RTG) and cereal bars	Candies	Confectionary	Dairy and milk/dairy products	Infant food: cereal	Infant food: bakery	Powdered beverage mix	Sauces, instant and prepared	Reduced-fat salsa dressing, pourable and spoonable	Reduced-sugar snack-based fillings
58165430	Rice, brown, with vegetables and gravy, NS as to fat added in cooking	0	0	0	0	1	1	1											0.232761327			
58165440	Rice, brown, with vegetables and gravy, fat not added in cooking	0	0	0	0	1	1	0											0.235907999			
58165440	Rice, brown, with vegetables and gravy, fat not added in cooking	0	0	0	0	0	0	1											0.235907999			
58165450	Rice, brown, with vegetables and gravy, fat added in cooking	0	0	0	0	1	1	1											0.232761327			
58165460	Rice, brown, with vegetables, soy-based sauce, NS as to fat added in cooking	0	0	0	0	1	1	1											0.278990939			
58165470	Rice, brown, with vegetables, soy-based sauce, fat not added in cooking	0	0	0	0	1	1	1											0.232103259			
58165480	Rice, brown, with vegetables, soy-based sauce, fat added in cooking	0	0	0	0	1	1	0											0.278990939			
58165480	Rice, brown, with vegetables, soy-based sauce, fat added in cooking	0	0	0	0	0	0	1											0.278990939			
58301020	Lasagna with cheese and sauce (diet frozen meal)	1	1	1	1	1	1	0											0.485			
58301020	Lasagna with cheese and sauce, diet frozen meal	0	0	0	0	0	0	1											0.485			
58301050	Lasagna with cheese and meat sauce, diet frozen meal	0	0	0	0	0	0	0											0.415415415			
58301050	Lasagna with cheese and meat sauce (diet frozen meal)	1	1	1	1	1	1	0											0.415415415			
58301080	Lasagna with cheese and meat sauce, reduced fat and sodium (diet frozen meal)	1	1	1	1	1	1	0											0.441367686			
58302030	Macaroni with veal, cheese, and sauce (diet frozen meal)	1	1	1	1	0	0	0											0.552645788			
58302050	Beef and noodles with meat sauce and cheese (diet frozen meal)	1	1	1	1	1	1	0											0.586535249			
58302050	Beef and noodles with meat sauce and cheese, diet frozen meal	0	0	0	0	0	0	1											0.586535249			
58307060	Spaghetti or noodles with beef in tomato based sauce, lowfat, reduced sodium (diet frozen meal)	1	1	1	1	1	0	0											1			
58302080	Noodles with vegetables in tomato based sauce (diet frozen meal)	1	1	1	1	1	1	0											0.427427427			
58302080	Noodles with vegetables in tomato based sauce, diet frozen meal	0	0	0	0	0	0	1											0.427427427			
58303100	Rice, with broccoli, cheese sauce (frozen side dish)	1	1	1	1	1	1	0											0.088888889			
58303100	Rice, with broccoli, cheese sauce, frozen side dish	0	0	0	0	0	0	1											0.088888889			
58303200	Rice, with green beans, water chestnuts, in sherry mushroom sauce, frozen side dish	0	0	0	0	0	0	1											0.285714286			
58303200	Rice, with green beans, water chestnuts, in sherry mushroom sauce (frozen side dish)	1	1	1	1	1	1	0											0.285714286			
58304020	Spaghetti and meatballs with tomato sauce, sliced apples, bread, frozen meal	0	0	0	0	0	0	1											0.311788525			
58304020	Spaghetti and meatballs with tomato sauce, sliced apples, bread (frozen meal)	1	1	1	1	1	1	0											0.311788525			
58304050	Spaghetti with meat and mushroom sauce (diet frozen meal)	1	1	1	1	1	1	0											0.405617666			
58304050	Spaghetti with meat and mushroom sauce, diet frozen meal	0	0	0	0	0	0	1											0.405617666			
58304060	Spaghetti with meat sauce (diet frozen meal)	1	1	1	1	1	1	0											1			
58304060	Spaghetti with meat sauce, diet frozen meal	0	0	0	0	0	0	1											1			
58304200	Ravioli, cheese-filled, with tomato sauce (diet frozen meal)	1	1	1	1	1	1	0											0.48732952			
58304200	Ravioli, cheese-filled, with tomato sauce, diet frozen meal	0	0	0	0	0	0	1											0.48732952			
58304220	Rigatoni with meat sauce and cheese (diet frozen meal)	1	1	1	1	1	1	0											0.886432161			
58304220	Rigatoni with meat sauce and cheese, diet frozen meal	0	0	0	0	0	0	1											0.886432161			
58304250	Manicotti, cheese-filled, with tomato sauce (diet frozen meal)	1	1	1	1	1	1	0											0.448583401			
58304250	Manicotti, cheese-filled, with tomato sauce, diet frozen meal	0	0	0	0	0	0	1											0.448583401			
58304300	Cannelloni, cheese-filled, with tomato sauce (diet frozen meal)	1	1	1	1	1	1	0											0.374722669			
58304300	Cannelloni, cheese-filled, with tomato sauce, diet frozen meal	0	0	0	0	0	0	1											0.374722669			
58304400	Linguini with vegetables and seafood in white wine sauce (diet frozen meal)	1	1	1	1	1	1	0											0.265704789			
58304400	Linguini with vegetables and seafood in white wine sauce, diet frozen meal	0	0	0	0	0	0	1											0.265704789			
58305010	Mozzicotti with meatballs, sauce, bread (frozen meal)	1	1	1	1	1	0	0											0.565344603			
58305250	Pasta with vegetable and cheese sauce, diet frozen meal	0	0	0	0	0	0	1											0.22037422			
58305250	Pasta with vegetable and cheese sauce (diet frozen meal)	1	1	1	1	1	1	0											0.22037422			
58306020	Beef enchilada, chili gravy, rice, refried beans, frozen meal	0	0	0	0	0	0	1											0.481128247			
58306020	Beef enchilada, chili gravy, rice, refried beans (frozen meal)	1	1	1	1	1	1	0											0.481128247			
58306150	Chicken enchilada with salsa, rice, vegetable, and dessert (diet frozen meal)	1	1	1	1	0	0	0											0.324351297			

Appendix A. List of food codes and inferred proportions

			NHANES biennials							Reduced-fat mayonnaise, reduced- sugar ketchup/mustard, and other reduced- fat/sugar condiments	Dry mix seasoning and blends	Bakery cookies and pastry	Bakery reduced- fat cookies and pastry	RTD sport nutrition beverages	RTD beverages	Reduced- sugar cereals (RTE) and cereal bars	Candies	Confectionary	Dairy and imitation dairy products	Infant food: cereal	Infant food: bakery	Powdered beverage mix	Sauces, instant and prepared	Reduced-fat salad dressing, pourable and spoonable	Reduced-sugar snack-based fillings	
58407000	Instant soup, NFS	1	1	1	1	0	0	0		1																
58407010	Instant soup, noodle	0	0	0	1	1	1	1		1																
58407010	Instant soup, noodle	1	1	1	0	0	0	0		1																
58407040	Instant soup, rice	1	1	1	1	0	0	0		1																
58407050	Instant soup, noodle with egg, shrimp or chicken	1	1	1	1	1	1	1		1																
58407050	Instant soup, noodle with egg, shrimp or chicken	0	0	0	0	0	0	0		1																
58421000	Sopa seca (dry soup), Mexican style, NFS	1	1	1	1	1	1	1		1																
58421060	Sopa seca de arroz (dry rice soup), Mexican style	1	1	1	1	1	0	0		1																
58421060	Sopa seca de arroz (dry rice soup), Mexican style, home recipe	0	0	0	0	0	1	1		0																
58503050	Macaroni with beef and tomato sauce, baby food, toddler	1	1	1	1	1	1	1		0													1			
58503050	Macaroni with beef and tomato sauce, baby food, toddler	0	0	0	0	0	0	0		1													1			
58509020	Spaghetti, tomato sauce, and beef, baby food, junior	1	1	1	1	1	1	1		0													1			
58509020	Spaghetti, tomato sauce, and beef, baby food, junior	0	0	0	0	0	0	0		1													1			
58509100	Ravioli, cheese filled, with tomato sauce, baby food, toddler	1	1	1	1	1	1	1		0													1			
58509100	Ravioli, cheese filled, with tomato sauce, baby food, toddler	0	0	0	0	0	0	0		1													1			
63401010	Apple salad with dressing	1	1	1	1	1	1	1		0														1		
63401010	Apple salad with dressing	0	0	0	0	0	0	0		1														1		
63401015	Apple and grape salad with yogurt and walnuts	0	0	1	1	1	1	0		0									1							
63401020	Apple and cabbage salad with dressing	1	1	1	1	1	0	0		0														1		
63401020	Apple and fruit salad with dressing	1	1	1	1	1	0	0		0															1	
63401050	Apple, candied	0	0	0	0	0	0	0		1																
63401050	Apple, candied	1	1	1	1	1	1	0		1										1						
63401070	Fruit, chocolate covered	1	1	1	1	1	1	1		1																
63401990	Banana, chocolate covered with nuts	0	0	0	0	0	0	0		1																
63401990	Banana, chocolate covered with nuts	1	1	1	1	1	1	1		0																
63402950	Fruit salad (excluding citrus fruits) with salad dressing or mayonnaise	1	1	1	1	1	1	1		0															1	
63402950	Fruit salad, excluding citrus fruits, with salad dressing or mayonnaise	0	0	0	0	0	0	0		1															1	
63402960	Fruit salad (excluding citrus fruits) with whipped cream	0	0	0	0	0	1	1		0																
63402960	Fruit salad (excluding citrus fruits) with cream	1	1	1	1	1	0	0		0																
63402960	Fruit salad, excluding citrus fruits, with whipped cream	0	0	0	0	0	0	1		0																
63402970	Fruit salad (excluding citrus fruits) with nondairy whipped topping	0	0	0	0	1	1	0		0																
63402970	Fruit salad (excluding citrus fruits) with cream substitute	1	1	1	1	0	0	0		0																
63402970	Fruit salad, excluding citrus fruits, with nondairy whipped topping	0	0	0	0	0	0	0		1																
63403000	Fruit salad (including citrus fruits) with pudding	1	1	1	1	1	1	0		0																
63403000	Fruit salad, including citrus fruits, with pudding	0	0	0	0	0	0	0		1																
63403000	Fruit salad (excluding citrus fruits) with pudding	1	1	1	1	1	1	1		0																
63403000	Fruit salad, excluding citrus fruits, with pudding	0	0	0	0	0	0	0		1																
63403010	Fruit salad (including citrus fruits) with salad dressing or mayonnaise	1	1	1	1	1	1	1		0																
63403010	Fruit salad, including citrus fruits, with salad dressing or mayonnaise	0	0	0	0	0	0	0		1																
63403020	Fruit salad (including citrus fruit) with cream	1	1	1	1	1	0	0		0																
63403020	Fruit salad (including citrus fruit) with whipped cream	0	0	0	0	1	1	0		0																
63403020	Fruit salad, including citrus fruit, with whipped cream	0	0	0	0	0	0	1		0																
63403030	Fruit salad (including citrus fruits) with nondairy whipped topping	0	0	0	0	1	1	0		0																
63403030	Fruit salad (including citrus fruits) with cream substitute	1	1	1	1	0	0	0		0																
63403030	Fruit salad, including citrus fruits, with nondairy whipped topping	0	0	0	0	0	0	1		0																
63403100	Fruit dessert with cream and/or pudding and nuts	1	1	1	1	1	1	1		0																
63403100	Fruit dessert with cream and/or pudding and nuts	0	0	0	0	0	0	0		1																
63412010	Pear salad with dressing	1	1	1	1	1	0	0		0																
63413010	Pineapple salad with dressing	1	1	1	1	1	1	0		0																
63413010	Pineapple salad with dressing	0	0	0	0	0	0	0		1																
63413020	Pineapple salad with cream cheese	1	1	1	1	1	0	0		0																
63430500	Fruit juice bar with cream, frozen	1	1	1	1	1	1	1		0																
63430500	Fruit juice bar with cream, frozen	0	0	0	0	0	0	0		1																
64100100	Fruit juice, NFS	0	0	1	1	1	1	1		1																
64100100	Fruit juice, NFS	1	1	0	0	0	0	0		0																
64100110	Fruit juice blend, 100% juice	0	1	1	1	1	1	1		1																
64100110	Fruit juice blend, 100% juice, with added Vitamin C	1	0	0	0	0	0	0		0																
64100120	Ambrosia juice	1	0	0	0	0	0	0		0																
64100200	Cranberry juice blend, 100% juice	0	0	0	0	0	1	1		1																
64100200	Fruit juice blend, with cranberry, 100% juice	0	1	1	1	1	1	0		0																

Appendix A. List of food codes and inferred proportions

			NHANES biennials							Reduced-fat margarine, reduced- sugar ketchup/mustard, and other reduced- fat/sugar condiments	Dry-mix seasoning and blends	Bakery cookies and pastry	Bakery reduced- fat cookies and pastry	RTD sport nutrition beverages	RTD beverages	Reduced- sugar cereals (RTE) and cereal bars	Candies	Confectionary	Dairy and imitation dairy products	Infant food: cereal	Infant food: bakery	Powdered beverage mix	Sauces, instant and prepared	Reduced-fat dressing, poussable and spoonable	Reduced-sugar snack-based fillings
64100220	Cranberry juice blend, 100% juice, with calcium added	0	0	0	0	0	1	1						1											
64101010	Apple cider	0	0	0	0	0	0	1						1											
64101010	Apple cider	1	1	1	1	1	1	0						1											
64104010	Apple juice	1	1	1	1	1	1	0						1											
67404070	Apple yogurt dessert, baby food, strained	0	0	0	0	0	0	1																	
67404070	Apple yogurt dessert, baby food, strained	1	1	1	1	1	1	1																	
67404300	Blueberry yogurt dessert, baby food, strained	0	0	0	0	0	0	1																	
67404300	Blueberry yogurt dessert, baby food, strained	1	1	1	1	1	1	1																	
67404500	Mixed fruit yogurt dessert, baby food, strained	0	0	0	0	0	0	1																	
67404500	Mixed fruit yogurt dessert, baby food, strained	1	1	1	1	1	1	1																	
67408010	Banana pudding, baby food, strained	0	0	0	0	0	0	1																	
67408010	Banana pudding, baby food, strained	1	1	1	1	1	1	1																	
67408500	Banana yogurt dessert, baby food, strained	0	0	0	0	0	0	1																	
67408500	Banana yogurt dessert, baby food, strained	1	1	1	1	1	1	1																	
67410000	Cherry vanilla pudding, baby food, strained	1	1	1	1	1	1	1																	
67410000	Cherry vanilla pudding, baby food, strained	0	0	0	0	0	0	1																	
67413700	Peach yogurt dessert, baby food, strained	0	0	0	0	0	0	1																	
67413700	Peach yogurt dessert, baby food, strained	1	1	1	1	1	1	1																	
67415000	Tutti-fruitti pudding, baby food, NS as to strained or junior	0	0	0	0	0	0	1																	
67415000	Tutti-fruitti pudding, baby food, NS as to strained or junior	1	1	1	1	1	1	1																	
67415010	Tutti-fruitti pudding, baby food, strained	0	0	0	0	0	0	1																	
67415010	Tutti-fruitti pudding, baby food, strained	1	1	1	1	1	1	1																	
67415020	Tutti-fruitti pudding, baby food, junior	0	0	0	0	0	0	1																	
67415020	Tutti-fruitti pudding, baby food, junior	1	1	1	1	1	1	1																	
67430500	Yogurt and fruit snack, baby food	0	0	0	0	1	1	1																	
71106020	Potato from Puerto Rican style stuffed pot roast, with gravy	0	0	0	0	0	0	1																	
71106020	Potato from Puerto Rican style stuffed pot roast, with gravy	1	1	1	1	1	1	1																	
71106050	Potato from Puerto Rican beef stew, with gravy	1	1	1	1	1	1	1																	
71106050	Potato from Puerto Rican beef stew, with gravy	0	0	0	0	0	0	1																	
71106070	Potato from Puerto Rican chicken fricassee, with sauce	1	1	1	1	1	1	1																	
71106070	Potato from Puerto Rican chicken fricassee, with sauce	0	0	0	0	0	0	1																	
71200120	Potato chips, sour cream and onion flavored	0	0	0	0	0	0	1																	
71200210	Potato chips,uffled, sour cream and onion flavored	0	0	0	0	0	0	1																	
71301000	White potato, cooked, with sauce, NS as to sauce	1	1	1	1	1	1	1																	
71501006	Potato, mashed, from fast food, with gravy	0	0	0	0	0	0	1																	
71501012	Potato, mashed, from fresh, made with milk, with gravy	0	0	0	0	0	0	1																	
71501015	White potato, from fresh, mashed, made with milk, sour cream and/or cream cheese	1	0	0	0	0	0	0																	
71501015	White potato, from fresh, mashed, made with milk, and sour cream and/or cream cheese	0	0	1	1	1	1	0																	
71501015	White potato, from fresh, mashed, made with milk, sour cream and/or cream cheese	0	1	0	0	0	0	0																	
71501017	Potato, mashed, from restaurant, with gravy	0	0	0	0	0	0	1																	
71501025	White potato, from fresh, mashed, made with milk, sour cream and/or cream cheese and fat	1	0	0	0	0	0	0																	
71501025	White potato, from fresh, mashed, made with milk, and sour cream and/or cream cheese and fat	0	0	1	1	1	1	0																	
71501025	White potato, from fresh, mashed, made with milk, sour cream and/or cream cheese and fat	0	1	0	0	0	0	0																	
71501054	Potato, mashed, from dry mix, made with milk, with gravy	0	0	0	0	0	0	1																	
71501055	White potato, from fresh, mashed, made with sour cream and/or cream cheese and fat	1	0	0	0	0	0	0																	
71501055	White potato, from fresh, mashed, made with sour cream and/or cream cheese and fat	0	1	1	1	1	1	0																	
71501075	Potato, mashed, ready-to-heat, with gravy	0	0	0	0	0	0	1																	
71507005	Potato, baked, peel not eaten, with butter	0	0	0	0	0	0	1																	
71507005	White potato, stuffed, baked, peel not eaten, stuffed with butter or margarine	0	1	1	1	1	1	0																	
71507010	Potato, baked, peel not eaten, with sour cream	0	0	0	0	0	0	1																	
71507010	White potato, stuffed, baked, peel not eaten, stuffed with sour cream	1	1	1	1	1	1	0																	
71507040	White potato, stuffed, baked, peel not eaten, stuffed with broccoli and cheese sauce	1	1	1	1	1	1	1																	
71507050	White potato, stuffed, baked, peel not eaten, stuffed with meat in cream sauce	1	1	1	1	1	1	1																	
71507100	White potato, stuffed, baked, peel not eaten, stuffed with chicken, broccoli and cheese sauce	1	1	1	1	1	1	0																	
71508005	Potato, baked, peel eaten, with butter	0	0	0	0	0	0	1																	
71508005	White potato, stuffed, baked, peel eaten, stuffed with butter or margarine	0	1	1	1	1	1	0																	

Appendix A. List of food codes and inferred proportions

NHANES biennials			Reduced-fat mayonnaise, reduced- sugar ketchup/mustard, and other reduced- fat/sugar condiments	Oryza seasoning and blends	Bakery cookies and pastry	Bakery reduced- fat cookies and pastry	RTD sport nutrition beverages	RTD beverages	Reduced- sugar cereals [RTE] and cereal bars	Candies	Confectionary	Dairy and imitation dairy products	Infant food: cereal	Infant food: bakery	Powdered beverage mix	Sauces, instant and prepared	Reduced-fat salad dressing, possible and spoonable	Reduced-sugar snack-based fillings
7310253	Carrots, cooked, from canned, with cheese sauce	0	0	0	0	0	0	0	1							1		
75340022	Vegetable combinations, Asian style, (broccoli, green pepper, water chestnuts, etc), cooked, made with butter	0	0	0	0	0	0	1	0			1						
75340022	Vegetable combinations, Asian style, broccoli, green pepper, water chestnut, etc., cooked, made with butter	0	0	0	0	0	0	0	1			1						
75340023	Vegetable combinations, Asian style, (broccoli, green pepper, water chestnuts, etc), cooked, made with margarine	0	0	0	0	0	0	1	0			1						
75340023	Vegetable combinations, Asian style, broccoli, green pepper, water chestnut, etc., cooked, made with margarine	0	0	0	0	0	0	0	1			1						
75340160	Vegetable and pasta combinations with cream or cheese sauce (broccoli, pasta, carrots, corn, zucchini, peppers, cauliflower, peas, etc.), cooked	1	1	1	1	1	1	1	0							1		
75340160	Vegetable and pasta combinations with cream or cheese sauce, broccoli, pasta, carrots, corn, zucchini, peppers, cauliflower, peas, etc., cooked	0	0	0	0	0	0	0	1							1		
75401010	Asparagus, NS as to form, creamed or with cheese sauce	0	0	0	0	0	0	0	1							1		
75401010	Asparagus, NS as to form, creamed or with cheese sauce	1	1	1	1	1	1	1	0							1		
75401011	Asparagus, from fresh, creamed or with cheese sauce	1	1	1	1	1	1	1	0							1		
75401011	Asparagus, from fresh, creamed or with cheese sauce	0	0	0	0	0	0	0	1							1		
75401012	Asparagus, from frozen, creamed or with cheese sauce	1	1	1	1	1	1	1	0							1		
75401012	Asparagus, from frozen, creamed or with cheese sauce	0	0	0	0	0	0	0	1							1		
75401013	Asparagus, from canned, creamed or with cheese sauce	1	1	1	1	1	1	1	0							1		
75401013	Asparagus, from canned, creamed or with cheese sauce	0	0	0	0	0	0	0	1							1		
75402010	Beans, lima, immature, NS as to form, creamed or with cheese sauce	0	0	0	0	0	0	0	1							1		
75402010	Beans, lima, immature, NS as to form, creamed or with cheese sauce	1	1	1	1	1	1	1	0							1		
75402011	Beans, lima, immature, from fresh, creamed or with cheese sauce	0	0	0	0	0	0	0	1							1		
75402011	Beans, lima, immature, from fresh, creamed or with cheese sauce	1	1	1	1	1	1	1	0							1		
75402012	Beans, lima, immature, from frozen, creamed or with cheese sauce	0	0	0	0	0	0	0	1							1		
75402012	Beans, lima, immature, from frozen, creamed or with cheese sauce	1	1	1	1	1	1	1	0							1		
75402013	Beans, lima, immature, from canned, creamed or with cheese sauce	0	0	0	0	0	0	0	1							1		
75402013	Beans, lima, immature, from canned, creamed or with cheese sauce	1	1	1	1	1	1	1	0							1		
75402020	Beans, lima, immature, cooked, NS as to form, with mushroom sauce	1	1	1	1	1	1	1	0							1		
75402020	Beans, lima, immature, cooked, NS as to form, with mushroom sauce	0	0	0	0	0	0	0	1							1		
75402021	Beans, lima, immature, cooked, from fresh, with mushroom sauce	1	1	1	1	1	1	1	0							1		
75402021	Beans, lima, immature, cooked, from fresh, with mushroom sauce	0	0	0	0	0	0	0	1							1		
75402022	Beans, lima, immature, cooked, from frozen, with mushroom sauce	1	1	1	1	1	1	1	0							1		
75402022	Beans, lima, immature, cooked, from frozen, with mushroom sauce	0	0	0	0	0	0	0	1							1		
75402022	Beans, lima, immature, cooked, from frozen, with mushroom sauce	1	1	1	1	1	1	1	0							1		
75402023	Beans, lima, immature, cooked, from canned, with mushroom sauce	1	1	1	1	1	1	1	0							1		
75402023	Beans, lima, immature, cooked, from canned, with mushroom sauce	0	0	0	0	0	0	0	1							1		
75403010	Beans, string, green, NS as to form, creamed or with cheese sauce	0	0	0	0	0	0	0	1							1		
75403010	Beans, string, green, NS as to form, creamed or with cheese sauce	1	1	1	1	1	1	1	0							1		
75403011	Beans, string, green, from fresh, creamed or with cheese sauce	0	0	0	0	0	0	0	1							1		
75403011	Beans, string, green, from fresh, creamed or with cheese sauce	1	1	1	1	1	1	1	0							1		
75403012	Beans, string, green, from frozen, creamed or with cheese sauce	0	0	0	0	0	0	0	1							1		
75403012	Beans, string, green, from frozen, creamed or with cheese sauce	1	1	1	1	1	1	1	0							1		
75403013	Beans, string, green, from canned, creamed or with cheese sauce	0	0	0	0	0	0	0	1							1		
75403013	Beans, string, green, from canned, creamed or with cheese sauce	1	1	1	1	1	1	1	0							1		
75403020	Beans, string, green, cooked, NS as to form, with mushroom sauce	1	1	1	1	1	1	1	0							1		

Appendix A. List of food codes and inferred proportions

		NHANES biennials					Reduced-fat mayonnaise, reduced- sugar ketchup/mustard, and other reduced- fat/sugar condiments	Dry-mix seasoning and blends	Bakery cookies and pastry	Bakery reduced- fat cookies and pastry	RTD sport nutrition beverages	RTD beverages	Reduced- sugar cereals (RTE) and cereal bars	Candies	Confectionary	Dairy and imitation dairy products	Infant food: cereal	Infant food: bakery	Powdered beverage mix	Sauces, instant and prepared	Reduced-fat salad dressings, pourable and spoonable	Reduced-sugar snack-based fillings
75403020	Beans, string, green, cooked, NS as to form, with mushroom sauce	0	0	0	0	0	0	1												1		
75403021	Beans, string, green, cooked, from fresh, with mushroom sauce	1	1	1	1	1	1	0												1		
75403021	Beans, string, green, cooked, from fresh, with mushroom sauce	0	0	0	0	0	0	0	1											1		
75403022	Beans, string, green, cooked, from frozen, with mushroom sauce	1	1	1	1	1	1	0												1		
75403022	Beans, string, green, cooked, from frozen, with mushroom sauce	0	0	0	0	0	0	0	1											1		
75403023	Beans, string, green, cooked, from canned, with mushroom sauce	1	1	1	1	1	1	0												1		
75403023	Beans, string, green, cooked, from canned, with mushroom sauce	0	0	0	0	0	0	0	1											1		
75404010	Beans, string, yellow, NS as to form, creamed or with cheese sauce	0	0	0	0	0	0	0	1											1		
75404010	Beans, string, yellow, NS as to form, creamed or with cheese sauce	1	1	1	1	1	1	0												1		
75404011	Beans, string, yellow, from fresh, creamed or with cheese sauce	0	0	0	0	0	0	0	1											1		
75404011	Beans, string, yellow, from fresh, creamed or with cheese sauce	1	1	1	1	1	1	0												1		
75404012	Beans, string, yellow, from frozen, creamed or with cheese sauce	1	1	1	1	1	1	0												1		
75404012	Beans, string, yellow, from frozen, creamed or with cheese sauce	0	0	0	0	0	0	0	1											1		
75404013	Beans, string, yellow, from canned, creamed or with cheese sauce	0	0	0	0	0	0	0	1											1		
75404013	Beans, string, yellow, from canned, creamed or with cheese sauce	1	1	1	1	1	1	0												1		
75405010	Beets with Harvard sauce	1	1	1	1	1	1	1												1		
75411020	Corn fritter	1	1	1	1	1	1	1												1		
75411030	Corn, cooked, NS as to form, with cream sauce, made with milk	0	0	0	0	0	0	0	1											1		
75411030	Corn, cooked, NS as to form, with cream sauce, made with milk	1	1	1	1	1	1	0												1		
75411031	Corn, cooked, from fresh, with cream sauce, made with milk	1	1	1	1	1	1	0												1		
75411031	Corn, cooked, from fresh, with cream sauce, made with milk	0	0	0	0	0	0	0	1											1		
75411032	Corn, cooked, from frozen, with cream sauce, made with milk	1	1	1	1	1	1	0												1		
75411032	Corn, cooked, from frozen, with cream sauce, made with milk	0	0	0	0	0	0	0	1											1		
75411033	Corn, cooked, from canned, with cream sauce, made with milk	1	1	1	1	1	1	0												1		
75411033	Corn, cooked, from canned, with cream sauce, made with milk	0	0	0	0	0	0	0	1											1		
75412070	Eggplant with cheese and tomato sauce	1	1	1	1	1	1	0												1		
75412070	Eggplant with cheese and tomato sauce	0	0	0	0	0	0	0	1											1		
75417020	Peas, cooked, NS as to form, with mushroom sauce	1	1	1	1	1	1	0												1		
75417020	Peas, cooked, NS as to form, with mushroom sauce	0	0	0	0	0	0	0	1											1		
75417021	Peas, cooked, from fresh, with mushroom sauce	1	1	1	1	1	1	0												1		
75417021	Peas, cooked, from fresh, with mushroom sauce	0	0	0	0	0	0	0	1											1		
75417022	Peas, cooked, from frozen, with mushroom sauce	1	1	1	1	1	1	0												1		
75417022	Peas, cooked, from frozen, with mushroom sauce	0	0	0	0	0	0	0	1											1		
75417023	Peas, cooked, from canned, with mushroom sauce	1	1	1	1	1	1	0												1		
75417023	Peas, cooked, from canned, with mushroom sauce	0	0	0	0	0	0	0	1											1		
75417030	Peas, cooked, NS as to form, with tomato sauce	0	0	1	1	1	1	0												1		
75417030	Peas, cooked, NS as to form, with tomato sauce	0	0	0	0	0	0	0	1											1		
75417031	Peas, cooked, from fresh, with tomato sauce	0	0	1	1	1	1	0												1		
75417031	Peas, cooked, from fresh, with tomato sauce	0	0	0	0	0	0	0	1											1		
75417032	Peas, cooked, from frozen, with tomato sauce	0	0	1	1	1	1	0												1		
75417032	Peas, cooked, from frozen, with tomato sauce	0	0	0	0	0	0	0	1											1		
75417033	Peas, cooked, from canned, with tomato sauce	0	0	1	1	1	1	0												1		
75417033	Peas, cooked, from canned, with tomato sauce	0	0	0	0	0	0	0	1											1		
75418030	Squash, summer, casserole, with rice and tomato sauce	1	1	1	1	1	1	0												1		
75418030	Squash, summer, casserole, with rice and tomato sauce	0	0	0	0	0	0	0	1											1		
75418040	Squash, summer, casserole, with cheese sauce	1	1	1	1	1	1	0												1		
75418040	Squash, summer, casserole, with cheese sauce	0	0	0	0	0	0	0	1											1		
75440100	Vegetable combination (including carrots, broccoli, and/or dark-green leafy), cooked, with soy-based sauce	1	1	1	1	1	1	0												1		
75440100	Vegetable combination (including carrots, broccoli, and/or dark-green leafy), cooked, with soy-based sauce	0	0	0	0	0	0	0	1											1		
75440110	Vegetable combination (including carrots, broccoli, and dark-green leafy), cooked, with soy-based sauce	1	1	1	1	1	1	0												1		

Appendix A. List of food codes and inferred proportions

		NHANES biennials							Reduced-fat margarine, reduced- sugar ketchup/mustard, and other reduced- fat/sugar condiments	Dry-mix seasoning and blends	Bakery cookies and pastry	Bakery reduced- fat cookies and pastry	RTD sport nutrition beverages	RTD beverages	Reduced- sugar cereals (RTE) and cereal bars	Candies	Confectionary	Dairy and imitation dairy products	Infant food: cereal	Infant food: bakery	Powdered beverage mix	Sauces, instant and prepared	Reduced-fat salad dressings, pourable and spoonable	Reduced-sugar snack-based fillings
75440110	Vegetable combination, excluding carrots, broccoli, and dark-green leafy, cooked, with soy-based sauce	0	0	0	0	0	0	1														1		
75440200	Vegetable combinations (including carrots, broccoli, and/or dark-green leafy), cooked, with tomato sauce	0	0	1	1	1	1	0														1		
75440300	Vegetable combinations, including carrots, broccoli, and/or dark-green leafy, cooked, with tomato sauce	0	0	0	0	0	0	1														1		
75440310	Vegetable combinations (excluding carrots, broccoli, and dark-green leafy), cooked, with tomato sauce	0	0	1	1	1	1	0														1		
75440410	Vegetable combinations, excluding carrots, broccoli, and dark-green leafy, cooked, with tomato sauce	0	0	0	0	0	0	1														1		
75440500	Vegetable combinations (including carrots, broccoli, and/or dark-green leafy), cooked, with cheese sauce	1	1	1	1	1	1	0														1		
75440500	Vegetable combinations, including carrots, broccoli, and/or dark-green leafy, cooked, with tomato sauce	0	0	0	0	0	0	1														1		
75440510	Vegetable combinations (including carrots, broccoli, and dark-green leafy), cooked, with cheese sauce	1	1	1	1	1	1	0														1		
75440510	Vegetable combinations, excluding carrots, broccoli, and dark-green leafy, cooked, with cheese sauce	0	0	0	0	0	0	1														1		
75450500	Vegetable combination (including carrots, broccoli, and/or dark-green leafy), cooked, with cream sauce	1	1	1	1	1	1	0														1		
75450500	Vegetable combination, including carrots, broccoli, and/or dark-green leafy, cooked, with cream sauce	0	0	0	0	0	0	1														1		
75450510	Vegetable combination (excluding carrots, broccoli, and dark-green leafy), cooked, with cream sauce	1	1	1	1	1	1	0														1		
75450510	Vegetable combination, excluding carrots, broccoli, and dark-green leafy, cooked, with cream sauce	0	0	0	0	0	0	1														1		
75450600	Vegetable combination (including carrots, broccoli, and/or dark-green leafy), cooked, with butter sauce	1	1	1	1	1	1	0									1					1		
75450600	Vegetable combination, including carrots, broccoli, and/or dark-green leafy, cooked, with butter sauce	0	0	0	0	0	0	1									1					1		
75450600	Vegetable combinations (including carrots, broccoli, and/or dark-green leafy), cooked, with butter sauce	1	1	1	1	1	1	0									1					1		
75460800	Vegetable combinations, including carrots, broccoli, and/or dark-green leafy, cooked, with butter sauce and pasta	0	0	0	0	0	0	1									1					1		
75460800	Vegetable combinations (excluding carrots, broccoli, and dark-green leafy), cooked, with butter sauce and pasta	1	1	1	1	1	1	0									1					1		
75460810	Vegetable combinations, excluding carrots, broccoli, and dark-green leafy, cooked, with butter sauce and pasta	0	0	0	0	0	0	1									1					1		
75506100	Mustard sauce	1	1	1	1	1	1	0														1		
75511010	Hot pepper sauce	0	1	1	1	1	1	1														1		
75511010	Tabasco sauce	1	0	0	0	0	0	0														1		
75605010	Leek soup, made from dry mix	1	1	0	0	0	0	0														1		
75607130	Mushroom soup, made from dry mix	1	1	1	1	1	1	0														1		
75608200	Onion soup, made from dry mix	1	1	1	1	1	1	1														1		
75608300	Onion soup, dry mix, not reconstituted	1	1	1	1	1	1	0														1		
75609010	Pea soup, instant type	0	1	0	0	0	0	0														1		
75649050	Vegetable soup, made from dry mix	1	1	1	1	1	1	1														1		
75649060	Vegetable soup, dry mix, not reconstituted	1	1	1	1	1	1	0														1		
75649070	Vegetable soup, made from dry mix, low sodium	1	1	1	1	1	1	0														1		
75649100	Vegetable soup, cream of, made from dry mix, low sodium, prepared with water	1	1	1	1	1	0	0														1		
77121110	Potato and ham fritters, Puerto Rican style	0	0	0	0	0	0	1														1		
77121110	Potato and ham fritters, Puerto Rican style (Frituras de papa y jamon)	1	1	1	1	1	1	0														1		
77141010	Potato chicken pie, Puerto Rican style (Pastelon de pollo)	1	1	1	1	1	1	0														1		
77141010	Potato chicken pie, Puerto Rican style	0	0	0	0	0	0	1														1		
77205110	Ripe plantain fritters, Puerto Rican style (Ponono)	1	1	1	1	1	1	0														1		
77205110	Ripe plantain fritters, Puerto Rican style	0	0	0	0	0	0	1														1		
77205610	Ripe plantain meat pie, Puerto Rican style (Pimon)	1	1	1	1	1	1	0														1		
77205610	Ripe plantain meat pie, Puerto Rican style	0	0	0	0	0	0	1														1		
77230210	Cassava Pastelles, Puerto Rican style (Pastelles de yuca)	1	1	1	1	1	1	0														1		
77230210	Cassava Pastelles, Puerto Rican style	0	0	0	0	0	0	1														1		
77230510	Cassava fritter stuffed with crab meat, Puerto Rican style (Empanada de yuca y jueyes)	0	1	1	1	1	1	0														1		
77230510	Cassava fritter stuffed with crab meat, Puerto Rican style	0	0	0	0	0	0	1														1		
77230510	Cassava pie stuffed with crab meat, Puerto Rican style (Empanada de jueyes)	1	0	0	0	0	0	0														1		
77250110	Stuffed tannier fritters, Puerto Rican style (Acapurrin)	1	1	1	1	1	1	0														1		
77250110	Stuffed tannier fritters, Puerto Rican style	0	0	0	0	0	0	1														1		
77250710	Tannier fritters, Puerto Rican style (Frituras de yaula)	1	1	1	1	1	1	0														1		

Appendix A. List of food codes and inferred proportions

NHANES biennials			Reduced-fat margarine, reduced- sugar ketchup/mustard, and other reduced- fat/sugar condiments	Dry-mix seasoning and blends	Bakery cookies and pastry	Bakery reduced- fat cookies and pastry	RTD sport nutrition beverages	RTD beverages	Reduced- sugar cereals (RTE) and cereal bars	Candies	Confectionary	Dairy and imitation dairy products	Infant food: cereal	Infant food: bakery	Powdered beverage mix	Sauces, instant and prepared	Reduced-fat salad dressing, pourable and spoonable	Reduced-sugar snack-based fillings
72720710	Tannier bitters, Puerto Rican style	0	0	0	0	0	0	0	1									
72727010	Puerto Rican pasteles	0	0	0	0	0	0	0	1									
72727010	Puerto Rican pasteles (Pasteles de masa)	1	1	1	1	1	1	1	0									
78101000	Vegetable and fruit juice blend, 100% juice, with high vitamin C plus added vitamin E and vitamin A	0	0	1	1	1	0	0										
78101000	Vegetable and fruit juice, 100% juice, with high vitamin C	0	0	0	0	0	0	1	1									
81103040	Margarine-like spread, stick, salted	1	1	1	1	1	1	1	1									
81103041	Margarine-like spread, made with yogurt, stick, salted	1	1	1	1	1	1	1	0									
81103060	Margarine, tub, unsalted	1	1	1	1	1	1	1	0									
81103070	Margarine, whipped, tub, unsalted	1	1	1	1	1	1	1	0									
81103080	Margarine-like spread, tub, salted	1	1	1	1	1	1	1	1									
81103090	Margarine-like spread, liquid, salted	1	1	1	1	1	1	1	1									
81103100	Margarine-like spread, stick, unsalted	1	1	1	1	1	1	1	0									
81103120	Margarine-like spread, tub, unsalted	1	1	1	1	1	1	1	0									
81103130	Margarine-like spread, whipped, tub, salted	0	0	0	0	0	0	0	1									
81103130	Margarine-like spread, whipped, tub, salted	1	1	1	1	1	1	1	0									
81103140	Margarine-like spread, tub, sweetened	1	1	1	1	1	1	1	0									
81104010	Margarine-like spread, reduced calorie, about 40% fat, tub, salted	1	1	1	1	1	1	1	0									
81104010	Margarine-like spread, reduced calorie, about 40% fat, tub, salted	0	0	0	0	0	0	0	1									
81104011	Margarine-like spread, reduced calorie, about 40% fat, made with yogurt, tub, salted	0	0	0	0	0	0	0	1									
81104011	Margarine-like spread, reduced calorie, about 40% fat, made with yogurt, tub, salted	1	1	1	1	1	1	1	0									
81104020	Margarine-like spread, reduced calorie, about 40% fat, stick, salted	1	1	1	1	1	1	1	0									
81104020	Margarine-like spread, reduced calorie, about 40% fat, stick, salted	0	0	0	0	0	0	0	1									
81104050	Margarine-like spread, reduced calorie, about 20% fat, tub, salted	0	0	0	0	0	0	0	1									
81104050	Margarine-like spread, reduced calorie, about 20% fat, tub, salted	1	1	1	1	1	1	1	0									
81104070	Margarine-like spread, reduced calorie, about 20% fat, tub, unsalted	1	1	1	1	1	1	0	0									
81104100	Margarine-like spread, fat free, tub, salted	0	0	0	0	0	0	0	1									
81104100	Margarine-like spread, fat free, tub, salted	1	1	1	1	1	1	1	0									
81104110	Margarine-like spread, fat free, liquid, salted	0	0	0	0	0	0	0	1									
81104110	Margarine-like spread, fat free, liquid, salted	1	1	1	1	1	1	1	0									
81104500	Vegetable oil-butter spread, stick, salted	1	1	1	1	1	1	1	1									
81104510	Vegetable oil-butter spread, tub, salted	1	1	1	1	1	1	1	1									
81104550	Vegetable oil-butter spread, reduced calorie, stick, salted	1	1	1	1	1	1	1	0									
81104550	Vegetable oil-butter spread, reduced calorie, stick, salted	0	0	0	0	0	0	0	1									
81104560	Vegetable oil-butter spread, reduced calorie, tub, salted	1	1	1	1	1	1	1	0									
81104560	Vegetable oil-butter spread, reduced calorie, tub, salted	0	0	0	0	0	0	0	1									
81105010	Butter-margarine blend, stick, salted	1	1	1	1	1	1	1	1									
81105020	Butter-margarine blend, tub, salted	1	1	1	1	1	1	1	1									
81105020	Butter-margarine blend, stick, unsalted	1	1	1	0	0	0	0	0									
81105500	Butter-vegetable oil blend	1	1	1	1	1	1	1	0									
81105500	Butter-vegetable oil blend	0	0	0	0	0	0	0	1									
81106010	Butter replacement, fat-free powder	0	0	0	0	0	0	0	1									
81106010	Butter replacement, fat-free powder	1	1	1	1	1	1	1	0									
81204000	Ghee, clarified butter	1	1	1	1	1	1	1	1									
81301000	Garlic sauce	0	0	1	1	1	1	1	1									
81301020	Lemon-butter sauce	1	1	1	1	1	1	1	1									
81302010	Hollandaise sauce	1	1	1	1	1	1	1	1									
81302020	Bennise sauce	1	1	1	1	1	0	0	0									
81302020	Orange sauce (for duck)	1	1	1	0	0	0	0	0									
81302040	Sandwich spread	1	1	1	1	1	1	1	1									
81302050	Tartar sauce	1	1	1	1	1	1	1	1									
81302060	Horseshoe sauce	1	1	1	1	1	1	1	1									
81302070	Pesto sauce	1	1	1	1	1	1	1	1									
81312000	Tartar sauce, low calorie	1	1	1	1	0	0	0	1									
81312000	Tartar sauce, reduced fat/calorie	0	0	0	0	0	1	1	1									
81322000	Honey butter	1	1	1	1	1	1	1	1									
83100100	Salad dressing, NFS	1	0	0	0	0	0	0	0									
83100100	Salad dressing, NFS, for salads	0	1	1	1	1	1	1	1									
83100200	Salad dressing, NFS, for sandwiches	0	0	1	1	1	1	1	1									
83101000	Blue or Roquefort cheese dressing	1	1	1	1	1	1	1	1									
83101500	Bacon dressing (Diet)	1	1	1	1	1	1	1	0									
83101600	Bacon and tomato dressing	1	1	1	1	1	1	1	0									
83101600	Bacon and tomato dressing	0	0	0	0	0	0	0	1									

Appendix A. List of food codes and inferred proportions

		NHANES biennials					Reduced-fat mayonnaise, reduced- sugar ketchup/mustard, and other reduced- fat/sugar condiments	Dry-mix seasoning and blends	Bakery cookies and pastry	Bakery reduced- fat cookies and pastry	RTD sport nutrition beverages	RTD beverages	Reduced- sugar cereals (RTE) and cereal bars	Candies	Confectionary	Dairy and imitation dairy products	Infant food: cereal	Infant food: bakery	Powdered beverage mix	Sweet, instant and prepared	Reduced-fat salad dressing, pourable and spoonable	Reduced-sugar snack-based fillings
83209000	Vinegar, sugar, and water dressing	1	1	1	1	0	0	0														
83208500	Korean dressing or marinade	1	1	1	1	1	1	1														
83209000	Milk, vinegar, and artificial sweetener dressing	1	1	1	1	0	0	0														
83210000	Creamy dressing, made with sour cream and/or buttermilk and oil, diet, H5 as to low or reduced calorie	1	1	1	1	0	0	0														
83210050	Creamy dressing made with sour cream and/or buttermilk and oil, low-calorie	1	1	1	1	0	0	0														
83210100	Creamy dressing, light	0	0	0	0	1	1	1														
83210100	Creamy dressing, made with sour cream and/or buttermilk and oil, reduced-calorie	1	1	1	1	0	0	0														
83210200	Creamy dressing, made with sour cream and/or buttermilk and oil, reduced-calorie, fat-free, cholesterol- free	1	1	1	1	0	0	0														
83210250	Creamy dressing, made with sour cream and/or buttermilk and oil, reduced-calorie, cholesterol-free	1	1	1	1	0	0	0														
83220000	Salad dressing, low-calorie, oil-free	1	1	1	1	0	0	0														
83300100	Blue or Roquefort cheese dressing, fat free	0	0	0	0	1	1	1														
83300200	Caesar dressing, fat free	0	0	0	0	1	1	1														
83300300	Creamy dressing, fat free	0	0	0	0	1	1	1														
83300400	French or Catalina dressing, fat free	0	0	0	0	1	1	1														
83300500	Honey mustard dressing, fat free	0	0	0	0	1	1	1														
83300600	Italian dressing, fat free	0	0	0	0	1	1	1														
83300700	Mayonnaise, fat free	0	0	0	0	1	1	1														
83300800	Mayonnaise, fat free	0	0	0	0	1	1	1														
83300900	Salad dressing, fat free, H5S	0	0	0	0	1	1	1														
83301000	Thousand Island dressing, fat free	0	0	0	0	1	1	1														
91303750	Chocolate gravy	1	1	1	1	0	0	0														
91304010	Topping, butterscotch or caramel	1	1	1	1	1	1	1														
91304020	Topping, chocolate, thick, fudge type	1	1	1	1	1	1	1														
91304030	Topping, fruit	1	1	1	1	1	1	1														
91304040	Topping, marshmallow	1	1	1	1	1	1	1														
91304050	Hard sauce	1	1	1	1	1	1	1														
91304060	Topping, nut (wet)	1	1	1	1	1	1	0														
91304060	Topping, nuts and syrup	0	0	0	0	0	0	0														
91304070	Topping, peanut butter, thick, fudge type	1	1	1	1	1	1	0														
91304070	Topping, peanut butter, thick, fudge type	0	0	0	0	0	0	1														
91304080	Topping, fruit, unsweetened	1	1	1	1	1	1	1														
91304090	Topping, chocolate flavored hazelnut spread	1	1	1	1	1	1	0														
91304090	Topping, chocolate flavored hazelnut spread	0	0	0	0	0	0	0														
91304250	Topping, milk chocolate with cereal	1	1	1	1	1	1	0														
91304250	Topping, milk chocolate with cereal	0	0	0	0	0	0	0														
91304300	Topping, chocolate, hard coating	1	1	1	1	1	1	1														
91305010	Icing, chocolate	1	1	1	1	1	1	1														
91305020	Icing, white	1	1	1	1	1	1	1														
91306000	Caramel dip, regular	0	0	0	0	0	0	1														
91306025	Caramel dip, light	0	0	0	0	0	0	1														
91306030	Chocolate dip	0	0	0	0	0	0	1														
91306040	Desert dip	0	0	0	0	0	0	1														
91351010	Syrup, dietetic	1	1	1	1	1	1	1														
91351020	Topping, dietetic	1	1	1	1	1	1	1														
91361010	Sweet and sour sauce	1	1	1	1	1	1	0														
91361010	Sweet and sour sauce	0	0	0	0	0	0	1														
91361020	Fruit sauce	0	0	0	0	0	0	1														
91361020	Fruit sauce	1	1	1	1	1	1	0														
91361030	Hakin sauce	1	1	1	1	0	0	0														
91361040	Desert sauce	0	0	0	0	1	1	1														
91361040	Plain desert sauce	1	1	1	1	0	0	0														
91361050	Duck sauce	0	0	0	0	0	0	1														
91361050	Duck sauce	1	1	1	1	1	1	0														
91361070	Plum sauce, Aaan style	0	0	0	0	1	1	1														
91361070	Plum sauce, Oriental-style	1	1	1	1	0	0	0														
91501030	Gelatin dessert with whipped cream	1	1	1	1	1	1	0														
91501030	Gelatin dessert with whipped cream	0	0	0	0	0	0	1														
91501040	Gelatin dessert with fruit and whipped cream	1	1	1	1	1	1	0														
91501040	Gelatin dessert with fruit and whipped cream	0	0	0	0	0	0	0														
91501050	Gelatin dessert with cream cheese	1	1	1	1	1	1	0														
91501050	Gelatin dessert with cream cheese	0	0	0	0	0	0	1														
91501060	Gelatin dessert with sour cream	1	1	1	1	1	1	0														
91501060	Gelatin dessert with sour cream	0	0	0	0	0	0	1														
91501070	Gelatin dessert with fruit and sour cream	1	1	1	1	1	1	0														
91501070	Gelatin dessert with fruit and sour cream	0	0	0	0	0	0	0														
91501080	Gelatin dessert with fruit and cream cheese	1	1	1	1	1	1	0														
91501080	Gelatin dessert with fruit and cream cheese	0	0	0	0	0	0	0														
91501110	Gelatin dessert with fruit and whipped topping	1	1	1	1	1	1	0														

Appendix A. List of food codes and Inferred proportions

			NONNES biennales					Reduced-fat mayonnaise, reduced- sugar ketchup/mustard, and other reduced- fat/sugar condiments	Dry-mix seasoning and blends	Bakery cookies and pastry	Bakery reduced- fat cookies and pastry	RTD sport nutrition beverages	RTD beverages	Reduced- sugar cereals (RTE) and cereal bars	Candies	Confectionary	Dairy and imitation dairy products	Infant food: cereal	Infant food: bakery	Powdered beverage mix	Sauces, Instant and prepared	Reduced-fat salad dressing, pourable and spoonable	Reduced-sugar snack-based fillings
9150110	Gelatin dessert with fruit and whipped topping	0	0	0	0	0	0	1															
91511030	Gelatin dessert, dietetic, with whipped topping, sweetened with low calorie sweetener	1	1	1	1	1	1	1	0														
91511030	Gelatin dessert, dietetic, with whipped topping, sweetened with low calorie sweetener	0	0	0	0	0	0	0	1														
91511050	Gelatin dessert, dietetic, with cream cheese, sweetened with low calorie sweetener	1	1	1	1	1	1	0															
91511050	Gelatin dessert, dietetic, with cream cheese, sweetened with low calorie sweetener	0	0	0	0	0	0	1															
91511060	Gelatin dessert, dietetic, with sour cream, sweetened with low calorie sweetener	1	1	1	1	1	1	0															
91511060	Gelatin dessert, dietetic, with sour cream, sweetened with low calorie sweetener	0	0	0	0	0	0	1															
91511070	Gelatin dessert, dietetic, with fruit and sour cream, sweetened with low calorie sweetener	1	1	1	1	1	1	0															
91511070	Gelatin dessert, dietetic, with fruit and sour cream, sweetened with low calorie sweetener	0	0	0	0	0	0	1															
91511080	Gelatin dessert, dietetic, with fruit and cream cheese, sweetened with low calorie sweetener	1	1	1	1	1	1	0															
91511080	Gelatin dessert, dietetic, with fruit and cream cheese, sweetened with low calorie sweetener	0	0	0	0	0	0	1															
91512010	Danish dessert/pudding	1	1	1	1	1	1	1															
91550100	Houzia	0	0	0	0	0	0	1															
91550100	Houzia	1	1	1	1	1	1	1															
91611050	Ice pop filled with ice cream, all flavor varieties	1	1	1	1	1	1	1	0														
91611050	Ice pop filled with ice cream, all flavor varieties	0	0	0	0	0	0	0	1														
91700010	Candy, NFS	1	1	1	1	1	1	1	1														
91700500	M&M's Almond Chocolate Candies	1	1	1	1	1	1	1	1														
91701010	Almonds, chocolate covered	0	0	0	0	0	0	0	1														
91701010	Almonds, chocolate covered	1	1	1	1	1	1	1	0														
91701020	Almonds, sugar-coated	0	0	0	0	0	0	0	1														
91701020	Almonds, sugar-coated	1	1	1	1	1	1	1	0														
91701030	Almonds, yogurt-covered	1	1	1	1	1	1	1	1														
91702010	Butterscotch morsels	1	1	1	1	1	1	1	1														
91703010	Caramel, chocolate-flavored roll	1	1	1	1	1	1	1	0														
91703010	Caramel, chocolate-flavored roll	0	0	0	0	0	0	0	1														
91703020	Caramel, flavor other than chocolate	1	1	1	1	1	1	1	0														
91703020	Caramel, flavor other than chocolate	0	0	0	0	0	0	0	1														
91703030	Caramel, with nuts	1	1	1	1	1	1	1	0														
91703030	Caramel, with nuts	0	0	0	0	0	0	0	1														
91703040	Caramel candy, chocolate covered	1	1	1	1	1	1	1	1														
91703050	Caramel with nuts and cereal, chocolate covered	1	1	1	1	1	1	1	0														
91703050	Caramel with nuts and cereal, chocolate covered	0	0	0	0	0	0	0	1														
91703060	Caramel with nuts, chocolate covered	1	1	1	1	1	1	1	0														
91703060	Caramel with nuts, chocolate covered	0	0	0	0	0	0	0	1														
91703070	Rolo	0	0	0	0	0	0	0	1														
91703070	Rolo	1	1	1	1	1	1	1	0														
91703080	Caramel, all flavors, sugar free	1	1	1	1	1	1	1	1														
91703150	Tablets, milk chocolate with honey and almond nougat	0	0	0	0	0	0	0	1														
91703150	Tablets, milk chocolate with honey and almond nougat	1	1	1	1	1	1	1	0														
91703200	TWIX Caramel Cookie Bars	0	0	0	0	0	0	0	1														
91703200	TWIX Caramel Cookie Bars (formerly TWIX Cookie Bars)	0	1	1	1	1	1	0	0														
91703200	TWIX Cookie Bars	1	0	0	0	0	0	0	0														
91703250	TWIX Chocolate Fudge Cookie Bars	1	1	1	1	1	1	1	1														
91703300	TWIX Peanut Butter Cookie Bars	1	1	1	1	1	1	1	1														
91703400	Whalchamacallit	0	0	0	0	0	0	0	1														
91703400	Whalchamacallit	1	1	1	1	1	1	1	0														
91703500	Huiz, crumb-coated	1	1	1	1	1	1	1	1														
91703600	Espresso coffee beans, chocolate covered	1	1	1	1	1	1	1	1														
91705010	Milk chocolate candy, plain	1	1	1	1	1	1	1	1														
91705010	M&M chocolate candy, with cereal	1	1	1	1	1	1	1	1														
91705030	Kit Kat	0	0	0	0	0	0	0	1														
91705030	Kit Kat	1	1	1	1	1	1	1	0														
91705040	Chocolate, milk, with nuts, not almond or peanuts	1	1	1	1	1	1	1	0														
91705040	Chocolate, milk, with nuts, not almond or peanuts	0	0	0	0	0	0	0	1														
91705050	Milk chocolate candy, with fruit and nuts	1	1	1	1	1	1	1	1														
91705060	Milk chocolate candy, with almonds	1	1	1	1	1	1	1	1														
91705070	Chocolate, milk, with peanuts	1	1	1	1	1	1	1	0														
91705070	Chocolate, milk, with peanuts	0	0	0	0	0	0	0	1														
91705090	Chocolate candy with fondant and caramel	1	1	1	1	1	1	1	1														
91705200	Chocolate, semi-sweet morsel	1	1	1	1	1	1	1	0														
91705200	Chocolate, semi-sweet morsel	0	0	0	0	0	0	0	1														
91705300	Chocolate, sweet or dark	1	1	1	1	1	1	1	0														

Appendix A. List of food codes and Inferred proportions

		NMANES biennials					Reduced-fat margarine, reduced- sugar ketchup/mustard, and other reduced- fat/sugar condiments	Oryzite seasoning and blends	Bakery cookies and pastry	Bakery reduced- fat cookies and pastry	RTD sport nutrition beverages	RTD beverages	Reduced- sugar cereals [RTE] and cereal bars	Candies	Confectionary	Dairy and imitation dairy products	Infant food: cereal	Infant food: bakery	Powdered beverage milk	Sauces, Instant and prepared	Reduced-fat salad dressing, poussable and spoonable	Reduced-sugar crack-based fillings
91718100	Butterfinger	1	1	1	1	1	1	0														
91718110	Butterfinger Crisp	0	0	0	0	1	1	1														
91718200	Chocolate-flavored sprinkles	0	0	0	0	0	0	1														
91718200	Chocolate-flavored sprinkles	1	1	1	1	1	1	1														
91718300	Ladoo, round ball, Asian Indian dessert	1	1	1	1	1	1	1														
91721000	Licorice	0	0	0	0	0	0	1														
91721000	Licorice	1	1	1	1	1	1	1														
91723000	Marshmallow	1	1	1	1	1	1	1														
91723010	Marshmallow, chocolate covered	0	0	0	0	0	0	1														
91723010	Marshmallow, chocolate covered	1	1	1	1	1	1	1														
91723020	Marshmallow, candy-coated	1	1	1	1	1	1	1														
91723050	Marshmallow, coconut-coated	1	1	1	1	1	1	1														
91726000	Nougat, plain	1	1	1	1	1	1	1														
91726000	Nougat, plain	0	0	0	0	0	0	1														
91726110	Nougat, with caramel, chocolate covered	1	1	1	1	1	1	1														
91726110	Nougat, with caramel, chocolate covered	0	0	0	0	0	0	1														
91726130	MILKYWAY Bar	1	1	1	1	1	1	1														
91726130	MILKYWAY Bar	0	0	0	0	0	0	1														
91726140	MILKYWAY DARK Bar	1	0	0	0	0	0	0														
91726140	MILKYWAY MIDDNIGHT Bar	0	0	0	0	0	0	1														
91726140	MILKYWAY MIDDNIGHT Bar (formerly MILKYWAY DARK Bar)	0	1	1	1	1	1	1														
91726150	MARS Almond Bar	0	0	0	0	0	0	1														
91726150	MARS Almond Bar (formerly MARS bar)	0	1	1	1	1	1	1														
91726150	MARS Bar	1	0	0	0	0	0	0														
91726410	Nougat, chocolate covered	1	1	1	1	1	1	1														
91726410	Nougat, chocolate covered	0	0	0	0	0	0	1														
91726420	3 MUSKETEERS Bar	0	1	1	1	1	1	1														
91726420	3 MUSKETEERS Bar	1	0	0	0	0	0	0														
91726425	3 Musketeers Truffle Crisp Bar	0	0	0	0	1	1	1														
91727010	Nuts, chocolate covered, not almonds or peanuts	0	0	0	0	0	0	1														
91727010	Nuts, chocolate covered, not almonds or peanuts	1	1	1	1	1	1	1														
91728000	Nut roll, fudge or nougat, caramel and nuts	1	1	1	1	1	1	1														
91728000	Nut roll, fudge or nougat, caramel and nuts	0	0	0	0	0	0	1														
91728500	Sugared pecans (sugar and egg white coating)	1	1	1	1	1	1	1														
91728500	Sugared pecans, sugar and egg white coating	0	0	0	0	0	0	1														
91731000	Peanuts, chocolate covered	0	0	0	0	0	0	1														
91731000	Peanuts, chocolate covered	1	1	1	1	1	1	1														
91731010	M&M's Peanut Chocolate Candies	1	1	1	1	1	1	1														
91731010	M&M's Peanut Chocolate Candies	0	0	0	0	0	0	1														
91731060	M&M's Peanut Butter Chocolate Candies	1	1	1	1	1	1	1														
91731100	Peanuts, sugar-coated	1	1	1	1	1	1	1														
91731150	Peanuts, yogurt covered	0	0	0	0	0	0	1														
91731150	Peanuts, yogurt covered	1	1	1	1	1	1	1														
91732000	Peanut bar	0	0	0	0	0	0	1														
91732000	Peanut bar	1	1	1	1	1	1	1														
91732100	Peanut bar, chocolate covered candy	1	1	1	1	1	1	1														
91732100	Peanut bar, chocolate covered	1	1	1	1	1	1	1														
91734000	Peanut butter, chocolate covered	0	0	0	0	0	0	1														
91734000	Peanut butter, chocolate covered	0	0	0	0	0	0	1														
91734100	Reese's Peanut Butter Cup	0	0	0	0	0	0	1														
91734100	Reese's Peanut Butter Cup	1	1	1	1	1	1	1														
91734200	Reese's Pieces	0	0	0	0	0	0	1														
91734200	Reese's Pieces	1	1	1	1	1	1	1														
91734200	Reese's Sticks	1	0	0	0	0	0	0														
91734200	Reese's Sticks	0	1	1	1	1	1	1														
91734400	Reese's Fast Break	1	1	1	1	1	1	1														
91734450	Reese's Crispy Crunchy Bar	0	0	1	1	1	1	1														
91734500	Peanut butter morsels	0	0	0	0	0	0	1														
91734500	Peanut butter morsels	1	1	1	1	1	1	1														
91735000	Pralines	1	1	1	1	1	1	1														
91735000	Pineapple candy, Puerto Rican style	1	1	1	1	1	1	1														
91735000	Pineapple candy, Puerto Rican style	0	0	0	0	0	0	1														
91739010	Raisins, chocolate covered	0	0	0	0	0	0	1														
91739010	Raisins, chocolate covered	1	1	1	1	1	1	1														
91739110	Raisins, carob covered	1	1	1	1	1	1	1														
91739500	Raisins, yogurt covered	0	0	0	0	0	0	1														
91739600	Raisins, yogurt covered	1	1	1	1	1	1	1														
91742010	Sesame Crunch (Sahadi)	1	1	1	1	1	1	1														
91742010	Sesame Crunch, Sahadi	0	0	0	0	0	0	1														
91745010	Gumdrops	1	1	1	1	1	1	1														
91745020	Hard candy	1	1	1	1	1	1	1														

Appendix A. List of food codes and Inferred proportions

		NHANES biennials							Reduced-fat mayonnaise, reduced-sugar ketchup/mustard, and other reduced-fat/sugar condiments	Dry-mix seasoning and blends	Bakery cookies and pastry	Bakery reduced-fat cookies and pastry	RTD sport nutrition beverages	RTD beverages	Reduced-sugar cereals (RTE) and cereal bars	Candies	Confectionary	Dairy and imitation dairy products	Infant food: cereal	Infant food: bakery	Powdered beverage mix	Sauces, instant and prepared	Reduced-fat salad dressing, poussable and spoonable	Reduced-sugar snack-based fillings
91745040	Butterscotch hard candy	1	1	1	1	1	1	1																
91745100	Skittles	0	0	0	0	0	0	0																
91745100	Skittles	1	1	1	1	1	1	1																
91746010	Sugar-coated chocolate discs	0	0	0	0	0	0	0																
91746010	Sugar-coated chocolate discs	1	1	1	1	1	1	1																
91746100	M&M's Milk Chocolate Candies	0	0	0	0	0	0	0																
91746100	M&M's Milk Chocolate Candies (formerly M&M's Plain Chocolate Candies)	0	1	1	1	1	1	1																
91746100	M&M's Plain Chocolate Candies	1	0	0	0	0	0	0																
91746120	Sweet's	0	0	0	0	0	0	0																
91746120	Sweet's	1	1	1	1	1	1	1																
91746150	Easter egg, candy coated chocolate	0	0	0	0	0	0	0																
91746150	Easter egg, candy coated chocolate	1	1	1	1	1	1	1																
91746200	M&M's Pretzel Chocolate Candies	0	0	0	0	0	0	1			1													
91750000	Taffy	1	1	1	1	1	1	1																
91750000	Toffee, plain	1	1	1	1	1	1	1																
91760100	Toffee, chocolate covered	0	0	0	0	0	0	0																
91760100	Toffee, chocolate covered	1	1	1	1	1	1	1																
91760200	Toffee, chocolate coated, with nuts	1	1	1	1	1	1	1																
91760200	Toffee, chocolate coated, with nuts	0	0	0	0	0	0	0																
91760300	Truffles	1	1	1	1	1	1	1																
91760700	Was candy, liquid filled	1	1	1	1	1	1	1																
91770000	Dietetic or low calorie candy, HTS	1	1	1	1	1	1	1																
91770000	Dietetic or low calorie candy, HTS	0	0	0	0	0	0	0																
91770010	Dietetic or low calorie gumdrops	1	1	1	1	1	1	1																
91770020	Dietetic or low calorie hard candy	1	1	1	1	1	1	1																
91770030	Dietetic or low calorie candy, chocolate covered	1	1	1	1	1	1	1																
91770030	Dietetic or low calorie candy, chocolate covered	0	0	0	0	0	0	0																
91770050	Dietetic or low calorie minis	0	0	0	0	0	0	0																
91770050	Dietetic or low calorie minis	1	1	1	1	1	1	1																
91780010	Snickers Marathon Energy bar	0	1	1	1	0	0	0																
91781010	Snickers Marathon Protein bar	0	1	1	1	0	0	0																
92101901	Coffee, latte, with non-dairy milk	0	0	0	0	0	0	1																
92101906	Coffee, latte, with non-dairy milk, flavored	0	0	0	0	0	0	1																
92101913	Coffee, latte, decaffeinated, with non-dairy milk	0	0	0	0	0	0	1																
92101919	Coffee, latte, decaffeinated, with non-dairy milk, flavored	0	0	0	0	0	0	1																
92101920	Coffee beverage, Frappuccino, regular	0	1	1	0	0	0	0																
92101920	Frappuccino, regular	1	0	0	0	0	0	0																
92101923	Frozen coffee drink, with non-dairy milk	0	0	0	0	0	0	1																
92101925	Blended coffee beverage, made with regular coffee, milk, and ice, sweetened, with whipped cream	0	0	0	0	0	1	0																
92101925	Frozen coffee drink, with whipped cream	0	0	0	0	0	0	1																
92101926	Frozen coffee drink, nonfat, with whipped cream	0	0	0	0	0	0	1																
92101928	Frozen coffee drink, with non-dairy milk and whipped cream	0	0	0	0	0	0	1																
92101933	Frozen coffee drink, decaffeinated, with non-dairy milk	0	0	0	0	0	0	1																
92101935	Blended coffee beverage, made with decaffeinated coffee, milk, and ice, sweetened, with whipped cream	0	0	0	0	1	0	0																
92101935	Frozen coffee drink, decaffeinated, with whipped cream	0	0	0	0	0	0	1																
92101936	Frozen coffee drink, decaffeinated, nonfat, with whipped cream	0	0	0	0	0	0	1																
92101938	Frozen coffee drink, decaffeinated, with non-dairy milk and whipped cream	0	0	0	0	0	1	1																
92101960	Coffee, Cafe Mocha, with non-dairy milk	0	0	0	0	0	0	1																
92101960	Coffee, mocha, made with soy milk	0	0	1	1	1	0	0																
92101975	Coffee, Cafe Mocha, decaffeinated, with non-dairy milk	0	0	0	0	0	0	1																
92102020	Frozen mocha coffee drink, with non-dairy milk	0	0	0	0	0	0	1																
92102030	Frozen mocha coffee drink, with whipped cream	0	0	0	0	0	1	1																
92102040	Frozen mocha coffee drink, nonfat, with whipped cream	0	0	0	0	0	1	1																
92102050	Frozen mocha coffee drink, with non-dairy milk and whipped cream	0	0	0	0	0	1	1																
92102080	Frozen mocha coffee drink, decaffeinated, with non-dairy milk	0	0	0	0	0	1	0																
92102080	Frozen mocha coffee drink, decaffeinated, with non-dairy milk	0	0	0	0	0	0	1																
92102090	Frozen mocha coffee drink, decaffeinated, with whipped cream	0	0	0	0	0	0	1																
92102100	Frozen mocha coffee drink, decaffeinated, nonfat, with whipped cream	0	0	0	0	0	1	1																
92102110	Frozen mocha coffee drink, decaffeinated, with non-dairy milk and whipped cream	0	0	0	0	0	1	1																
92102502	Coffee, Iced Latte, with non-dairy milk	0	0	0	0	0	0	1																
92102505	Coffee, Iced Latte, with non-dairy milk, flavored	0	0	0	0	0	0	1																
92102512	Coffee, Iced Latte, decaffeinated, with non-dairy milk	0	0	0	0	0	0	1																

Appendix A. List of food codes and inferred proportions

		NMANES blend/alt					Reduced-fat margarine, reduced- sugar ketchup/mustard, and other reduced- fat/sugar condiments	Oryz- m- seasoning and blends	Bakery cookies and pastry	Bakery reduced- fat cookies and pastry	RTD sport nutrition beverages	RTD beverages	Reduced- sugar cereals (RTE) and cereal bars	Candies	Confectionary	Dairy and imitation dairy products	Infant food: cereal	Infant food: bakery	Powdered beverage mix	Sauces, instant and prepared	Reduced-fat salad dressing, pourable and spoonable	Reduced-sugar snack-based fillings
92102515	Coffee, Iced Latte, decaffeinated, with non-dairy milk, flavored	0	0	0	0	0	1	1							1							
92102602	Coffee, Iced Cafe? Mocha, with non-dairy milk	0	0	0	0	0	1	0							1							
92102602	Coffee, Iced Cafe? Mocha, with non-dairy milk	0	0	0	0	0	0	1							1							
92102612	Coffee, Iced Cafe? Mocha, decaffeinated, with non-dairy milk	0	0	0	0	0	1	0							1							
92102612	Coffee, Iced Cafe? Mocha, decaffeinated, with non-dairy milk	0	0	0	0	0	0	1							1							
92103000	Coffee, made from powdered instant, regular	1	1	1	1	1	1	0	0									1				
92104000	Coffee, made from powdered instant, 50% less caffeine	1	1	1	1	1	1	0	0										1			
92106000	Coffee, acid neutralized, from powdered instant	1	1	1	1	1	1	0	0										1			
92114000	Coffee, decaffeinated, made from powdered instant	1	1	1	1	1	1	0	0										1			
92121000	Coffee, made from powdered instant mix, with whitener and sugar, instant	1	1	1	1	1	1	0	0										1			
92121010	Coffee, made from powdered instant mix, presweetened, no whitener	1	1	1	1	1	1	0	0										1			
92121020	Coffee and cocoa (mocha), made from powdered instant mix, with whitener, presweetened	1	1	1	1	1	1	0	0										1			
92121030	Coffee and cocoa (mocha), made from powdered instant mix, with whitener and low calorie sweetener	1	1	1	1	1	1	0	0										1			
92121040	Coffee, made from powdered instant mix, with whitener and low calorie sweetener	1	1	1	1	1	1	0	0										1			
92121050	Coffee and cocoa (mocha), made from powdered instant mix, with whitener and low calorie sweetener, decaffeinated	1	1	1	1	1	1	0	0										1			
92151000	Coffee and chicory, made from powdered instant	1	1	1	1	1	1	0	0										1			
92151100	Coffee, decaffeinated, and chicory, made from powdered instant	1	1	1	1	1	1	0	0										1			
92161002	Coffee, Cappuccino, with non-dairy milk	0	0	0	0	0	1	1							1							
92162002	Coffee, Cappuccino, decaffeinated, with non-dairy milk	0	0	0	0	0	1	1							1							
92191000	Coffee, dry instant powder, NS as to regular or decaffeinated	1	1	1	1	1	1	0	0										1			
92191100	Coffee, dry instant powder, regular	1	1	1	1	1	1	0	0										1			
92191200	Coffee, dry instant powder, decaffeinated	1	1	1	1	1	1	0	0										1			
92191500	Coffee and chicory, dry instant powder	1	1	1	1	1	1	0	0										1			
92191520	Coffee, decaffeinated, and chicory, dry instant powder	1	1	1	1	1	1	0	0										1			
92192000	Coffee and cocoa (mocha) mix, dry instant powder with whitener, presweetened	1	1	1	1	1	1	0	0										1			
92192030	Coffee and cocoa (mocha) mix, dry instant powder with whitener and low calorie sweetener	1	1	1	1	1	1	0	0										1			
92192040	Coffee and cocoa (mocha) mix, dry instant powder, with whitener and low calorie sweetener, decaffeinated	1	1	1	1	1	1	0	0										1			
92193000	Coffee, dry instant powder, with whitener and sugar	1	1	1	1	1	1	0	0										1			
92193020	Coffee, dry instant powder, with whitener and low calorie sweetener	1	1	1	1	1	1	0	0										1			
92203110	Cereal beverage with beet roots, from powdered instant	0	0	0	0	0	0	1											1			
92203110	Cereal beverage with beet roots, from powdered instant	1	1	1	1	1	1	0	0										1			
92203200	Cereal beverage with beet roots, powdered instant, dry	1	1	1	1	1	1	0	0										1			
92291300	Coffee substitute, dry powder	0	0	0	0	0	0	1											1			
92291300	Postum, dry powder	1	1	1	1	1	1	0	0										1			
92305000	Tea, made from powdered instant, presweetened, NS as to sweetener	1	1	1	1	1	1	0	0										1			
92305010	Tea, made from powdered instant, unsweetened	1	1	1	1	1	1	0	0										1			
92305040	Tea, made from powdered instant, presweetened with sugar	1	1	1	1	1	1	0	0										1			
92305050	Tea, made from powdered instant, decaffeinated, presweetened with sugar	1	1	1	1	1	1	0	0										1			
92305090	Tea, made from powdered instant, presweetened with low calorie sweetener	1	1	1	1	1	1	0	0										1			
92305110	Tea, made from powdered instant, decaffeinated, presweetened with low calorie sweetener	1	1	1	1	1	1	0	0										1			
92305180	Tea, made from powdered instant, decaffeinated, unsweetened	1	1	1	1	1	1	0	0										1			
92305800	Tea, made from powdered instant, decaffeinated, presweetened, NS as to sweetener	1	1	1	1	1	1	0	0										1			
92307000	Tea, powdered instant, unsweetened, dry	1	1	1	1	1	1	0	0										1			
92307400	Tea, powdered instant, sweetened, NS as to sweetener, dry	1	1	1	1	1	1	0	0										1			
92307500	Half and Half beverage, half iced tea and half fruit juice drink (ambonade)	0	0	0	0	1	0	0			1											
92307500	Iced Tea / Lemonade juice drink	0	0	0	0	0	1	1														
92307510	Half and Half beverage, half iced tea and half fruit juice drink (lemonade), low calorie	0	0	0	0	1	0	0			1											
92307510	Iced Tea / Lemonade juice drink, light	0	0	0	0	0	1	1														
92307520	Iced Tea / Lemonade juice drink, diet	0	0	0	0	0	1	1														
92309000	Tea, iced, bottled, black	0	0	0	0	0	1	1			1											

Appendix A. List of food codes and Inferred proportions

		NHANES biennials					Reduced-fat mayonnaise, reduced- sugar ketchup/mustard, and other reduced- fat/sugar condiments	Oryzic seasoning and blends	Savory cookies and pastry	Bakery reduced- fat cookies and pastry	RTD sport nutrition beverages	RTD beverages	Reduced- sugar cereals (RTE) and cereal bars	Candies	Confectionary	Dairy and imitation dairy products	Infant food: cereal	Infant food: bakery	Powdered beverage mix	Sauces, instant and prepared	Reduced-fat salad dressings, pourable and spoonable	Reduced-sugar snack-based fillings
92309010	Tea, iced, bottled, black, decaffeinated	0	0	0	0	0	1	1														
92309020	Tea, iced, bottled, black, diet	0	0	0	0	0	1	1														
92309030	Tea, iced, bottled, black, decaffeinated, diet	0	0	0	0	0	1	1														
92309040	Tea, iced, bottled, black, unsweetened	0	0	0	0	0	1	1														
92309050	Tea, iced, bottled, black, decaffeinated, unsweetened	0	0	0	0	0	1	1														
92309060	Tea, iced, bottled, green	0	0	0	0	0	1	1														
92309070	Tea, iced, bottled, green, diet	0	0	0	0	0	1	1														
92309080	Tea, iced, bottled, green, unsweetened	0	0	0	0	0	1	1														
92400000	Soft drink, NFS	1	1	1	1	1	1	1														
92400100	Soft drink, NFS, diet	0	0	0	0	0	1	1														
92400100	Soft drink, NFS, sugar-free	1	1	1	1	1	1	0	0													
92410315	Soft drink, cola type, reduced sugar	1	1	1	1	1	1	0	0													
92410315	Soft drink, cola, reduced sugar	0	0	0	0	0	0	1	1													
92410320	Soft drink, cola, diet	0	0	0	0	0	0	1	1													
92410320	Soft drink, cola type, sugar-free	1	1	1	1	1	1	0	0													
92410350	Soft drink, cola type, decaffeinated, sugar-free	1	1	1	1	1	1	0	0													
92410370	Soft drink, pepper type, diet	0	0	0	0	0	0	1	1													
92410370	Soft drink, pepper type, sugar-free	1	1	1	1	1	1	0	0													
92410400	Soft drink, pepper type, decaffeinated, diet	0	0	0	0	0	0	1	1													
92410400	Soft drink, pepper type, decaffeinated, sugar-free	1	1	1	1	1	1	0	0													
92410420	Cream soda, sugar-free	1	1	1	1	1	1	0	0													
92410420	Soft drink, cream soda, diet	0	0	0	0	0	0	1	1													
92410520	Soft drink, fruit flavored, diet, caffeine free	0	0	0	0	0	0	1	1													
92410520	Soft drink, fruit flavored, sugar free, caffeine free	1	1	1	1	1	1	0	0													
92410560	Soft drink, fruit flavored, caffeine containing, diet	0	0	0	0	0	0	1	1													
92410560	Soft drink, fruit flavored, caffeine containing, sugar-free	1	1	1	1	1	1	0	0													
92410620	Ginger ale, sugar-free	1	1	1	1	1	1	0	0													
92410620	Soft drink, ginger ale, diet	0	0	0	0	0	0	1	1													
92410720	Root beer, sugar-free	1	1	1	1	1	1	0	0													
92410720	Soft drink, root beer, diet	0	0	0	0	0	0	1	1													
92410810	Soft drink, chocolate flavored	0	0	0	0	0	0	0	1													
92410810	Soft drink, chocolate flavored	0	0	0	0	0	0	1	0													
92410820	Chocolate flavored soda, sugar-free	1	1	1	1	1	1	0	0													
92410820	Soft drink, chocolate flavored, diet	0	0	0	0	0	0	1	1													
92411510	Cola with fruit or vanilla flavor	1	1	1	1	1	1	0	0													
92411510	Soft drink, cola, fruit or vanilla flavored	0	0	0	0	0	0	1	1													
92411520	Cola with chocolate flavor	1	1	1	1	1	1	0	0													
92411520	Soft drink, cola, chocolate flavored	0	0	0	0	0	0	1	1													
92411610	Cola with fruit or vanilla flavor, sugar-free	1	1	1	1	1	1	0	0													
92411610	Soft drink, cola, fruit or vanilla flavored, diet	0	0	0	0	0	0	1	1													
92411620	Cola with chocolate flavor, sugar-free	1	1	1	1	1	1	0	0													
92411620	Soft drink, cola, chocolate flavored, diet	0	0	0	0	0	0	1	1													
92430010	Mava drink	1	1	1	1	1	1	0	0													
92437010	Soft drink, ale type	1	1	1	1	1	1	0	0													
92433000	Carbonated juice drink, NFS as to type of juice	1	1	1	1	1	1	0	0													
92432000	Carbonated citrus juice drink	1	1	1	1	1	1	0	0													
92432000	Fruit juice drink, citrus, carbonated	0	0	0	0	0	0	1	1													
92433000	Carbonated noncitrus juice drink	1	1	1	1	1	1	0	0													
92433000	Fruit juice drink, noncitrus, carbonated	0	0	0	0	0	0	1	1													
92510120	Apple-cherry drink	1	0	0	0	0	0	0	0													
92510150	Apple juice drink	1	0	0	0	0	0	0	0													
92510170	Apple-cranberry-grape juice drink	1	0	0	0	0	0	0	0													
92510200	Apple-orange-pineapple juice drink	1	0	0	0	0	0	0	0													
92510270	Apricot-pineapple juice drink	1	0	0	0	0	0	0	0													
92510310	Banana-orange drink	1	0	0	0	0	0	0	0													
92510410	Black-cherry drink	1	0	0	0	0	0	0	0													
92510610	Fruit drink	1	0	0	0	0	0	0	0													
92510610	Fruit juice drink	0	1	1	1	1	1	1	1													
92510630	Fruit juice drink, NFS	1	0	0	0	0	0	0	0													
92510650	Tamarind drink	0	0	0	0	0	0	0	1													
92510650	Tamarind drink (Refresco de tamarindo)	0	0	0	0	0	0	1	0													
92510650	Tamarind drink, Puerto Rican (Refresco de tamarindo)	1	1	1	1	1	1	1	0													
92510720	Fruit punch, made with fruit juice and soda	1	1	1	1	1	1	1	0													
92510720	Fruit punch, made with fruit juice and soda	0	0	0	0	0	0	0	1													
92510730	Fruit punch, made with soda, fruit juice, and sherbet or ice cream	1	1	1	1	1	1	1	0													
92510730	Fruit punch, made with soda, fruit juice, and sherbet or ice cream	0	0	0	0	0	0	0	1													
92510830	Grape and grape drink	1	0	0	0	0	0	0	0													
92510820	Grape juice drink	1	0	0	0	0	0	0	0													
92510910	Grapefruit juice drink	1	0	0	0	0	0	0	0													
92510950	Guzza juice drink	1	0	0	0	0	0	0	0													

Appendix A. List of food codes and inferred proportions

	KHANES biennials	Reduced-fat							Reduced-sugar cereals, (RTE) and cereal bars	Candies	Confectionary	Dairy and imitation dairy products	Infant food: cereal	Infant food: bakery	Powdered beverage mix	Sauces, instant and prepared	Reduced-fat salad dressing, pourable and spoonable	Reduced-sugar snack-based fillings
		mayonnaise, reduced-sugar ketchup/mustard, and other reduced-fat/sugar condiments	Dry-mix seasoning and blends	Bakery cookies and pastry	Bakery reduced-fat cookies and pastry	RTD sport nutrition beverages	RTD beverages											
92510955	Lemonade, fruit juice drink	0	0	0	0	0	1	1										
92510956	Lemonade, fruit flavored drink	0	0	0	0	0	1	1										
92511000	Lemonade, from concentrate, not reconstituted	1	1	1	1	1	1	1										
92511010	Fruit flavored drink (formerly lemonade)	0	1	1	1	1	0	0										
92511011	Lemonade	1	0	0	0	0	0	0										
92511015	Fruit flavored drink	0	0	0	0	0	1	1										
92511020	Lemon-limeade	1	0	0	0	0	0	0										
92511110	Limeade	1	0	0	0	0	0	0										
92511200	Orange-orange juice drink	1	0	0	0	0	0	0										
92511220	Orange drink	1	0	0	0	0	0	0										
92511230	Orange-apricot juice drink	1	0	0	0	0	0	0										
92511240	Orange-lemon drink	1	0	0	0	0	0	0										
92511250	Citrus fruit juice drink	1	0	0	0	0	0	0										
92511250	Citrus fruit juice drink, containing 40-50% juice	0	1	1	1	1	1	0										
92511250	Fruit juice beverage, 40-50% juice, citrus	0	0	0	0	0	0	1	1									
92511260	Orange-cranberry juice drink	1	0	0	0	0	0	0										
92511270	Orange-peach juice drink	1	0	0	0	0	0	0										
92511280	Orange-apple-banana juice drink	1	0	0	0	0	0	0										
92511290	Papaya juice drink	1	0	0	0	0	0	0										
92511310	Pineapple-grapefruit juice drink	1	0	0	0	0	0	0										
92511340	Pineapple-orange juice drink	1	0	0	0	0	0	0										
92511350	Orange-raspberry juice drink	1	0	0	0	0	0	0										
92511400	Raspberry flavored drink	1	0	0	0	0	0	0										
92511510	Strawberry flavored drink	1	0	0	0	0	0	0										
92512090	Pina Colada, nonalcoholic	1	1	1	1	1	1	1										
92512110	Margarita mix, nonalcoholic	0	0	0	0	0	1	1	1									
92512110	Whiskey sour, nonalcoholic	1	1	1	1	1	0	0	0									
92513000	Fruit flavored frozen drink	0	0	0	0	0	1	0	0									
92513000	Fruit flavored smoothie drink, frozen (no dairy)	1	0	0	0	0	0	1	0									
92513010	Fruit flavored smoothie drink, frozen, light (no dairy)	0	0	0	0	0	0	1	0									
92513010	Fruit flavored smoothie drink, frozen, light, no dairy	0	0	0	0	0	0	0	1									
92520410	Fruit drink, low calorie	1	0	0	0	0	0	0	0									
92520810	Grape drink, low calorie	1	0	0	0	0	0	0	0									
92520910	Lemonade, low calorie	1	0	0	0	0	0	0	0									
92530210	Black cherry drink with vitamin C added	1	0	0	0	0	0	0	0									
92530310	Cherry drink with vitamin C added	1	0	0	0	0	0	0	0									
92530410	Citrus drink with vitamin C added	1	0	0	0	0	0	0	0									
92530410	Fruit flavored drink, with high vitamin C	0	1	1	1	1	1	1	1									
92530510	Cranberry juice drink or cocktail, with high vitamin C	0	1	1	1	1	1	0	0									
92530510	Cranberry juice drink with vitamin C added	1	0	0	0	0	0	0	0									
92530510	Cranberry juice drink, with high vitamin C	0	0	0	0	0	0	1	1									
92530520	Cranberry-apple juice drink with vitamin C added	1	0	0	0	0	0	0	0									
92530610	Fruit juice drink, with high vitamin C	0	1	1	1	1	1	1	1									
92530610	Fruit punch, fruit drink, or fruitade, with vitamin C added	1	0	0	0	0	0	0	0									
92530710	Grape drink with vitamin C added	1	0	0	0	0	0	0	0									
92530810	Grapenut juice drink with vitamin C added	1	0	0	0	0	0	0	0									
92530840	Grape juice drink with vitamin C added	1	0	0	0	0	0	0	0									
92530910	Lemonade with vitamin C added	1	0	0	0	0	0	0	0									
92530950	Vegetable and fruit juice drink, with high vitamin C	0	1	1	1	1	1	1	0									
92530950	Vegetable and fruit juice drink, with vitamin C added	1	0	0	0	0	0	0	0									
92530950	Vegetable and fruit juice drink, with high vitamin C	0	0	0	0	0	0	0	1									
92531010	Orange drink and orangeade with vitamin C added	1	0	0	0	0	0	0	0									
92531020	Orange breakfast drink, made from frozen concentrate	1	0	0	0	0	0	0	0									
92531030	Fruit juice drink (Sunny D)	0	0	0	0	0	0	0	1									
92531030	Fruit juice drink, with thiamin (vitamin B1) and vitamin C	0	1	0	0	0	0	0	0									
92531030	Fruit juice drink, with thiamin (vitamin B1) and high vitamin C	0	0	1	1	1	1	0	0									
92531030	Orange breakfast drink	1	0	0	0	0	0	0	0									
92531030	Sunny D	0	0	0	0	0	0	1	0									
92531110	Pineapple-grapefruit juice drink with vitamin C added	1	0	0	0	0	0	0	0									
92531120	Pineapple-orange juice drink with vitamin C added	1	0	0	0	0	0	0	0									
92531150	Pineapple-orange-grapefruit juice drink with vitamin C added	1	0	0	0	0	0	0	0									
92531210	Strawberry-flavored drink with vitamin C added	1	0	0	0	0	0	0	0									
92541010	Fruit flavored drink, made from powdered mix	0	1	1	1	1	1	0	0						1			
92541010	Fruit flavored drink, powdered, reconstituted	0	0	0	0	0	0	0	1	1								
92541010	Fruit flavored drink, made from sweetened powdered mix (fortified with vitamin C)	1	0	0	0	0	0	0	0							1		
92541020	Lemonade flavored drink, made from powdered mix, with sugar	1	0	0	0	0	0	0	0							1		

Appendix A. List of food codes and inferred proportions

		NSANES biennials					Reduced-fat mayonnaise, reduced- sugar ketchup/mustard, and other reduced- fat/sugar condiments	Dry-mix seasoning and blends	Bakery coolies and pastry	Bakery reduced- fat cookies and pastry	RTD sport nutrition beverages	RTD beverages	Reduced- sugar cereals (RTS) and cereal bars	Candies	Confectionary	Dairy and imitation dairy products	Infant food: cereal	Infant food: bakery	Powdered beverage mix	Sauces, instant and prepared	Reduced-fat salad dressings, pourable and spoonable	Reduced-sugar snack-based fillings
92541040	Lemonade flavored drink, made from powdered mix, low calorie	1	0	0	0	0	0	0	0	0	0	0							1			
92541100	Apple cider flavored drink, made from powdered mix, with sugar and vitamin C added	1	0	0	0	0	0	0	0	0	0	0							1			
92541120	Apple cider flavored drink, made from powdered mix, low calorie, with vitamin C added	1	0	0	0	0	0	0	0	0	0	0							1			
92542000	Fruit flavored drink, made from powdered mix, with high vitamin C	0	1	1	1	1	1	0	0	0	0	0							1			
92542000	Fruit flavored drink, with high vitamin C, powdered, reconstituted	0	0	0	0	0	0	0	1	0	0	0							1			
92542000	Fruit flavored drink, with high vitamin C, powdered, reconstituted	0	0	0	0	0	0	0	0	1	0	0							1			
92542000	Fruit flavored drink, made from powdered mix, mainly sugar, with high vitamin C added	1	0	0	0	0	0	0	0	0	0	0							1			
92544000	Fruit flavored drink, made from unsweetened powdered mix (fortified with vitamin C), with sugar added in preparation	1	0	0	0	0	0	0	0	0	0	0							1			
92550030	Fruit juice drink, low calorie	0	1	0	0	0	0	0	0	0	0	1										
92550030	Fruit juice drink, low calorie, with high vitamin C	0	0	1	1	1	1	0	0	0	0	1										
92550030	Fruit juice drink, with high vitamin C, light	0	0	0	0	0	0	0	0	0	1	1										
92550035	Fruit juice drink, light	0	0	0	0	0	0	0	0	0	1	1										
92550040	Fruit juice drink, diet	0	0	0	0	0	0	0	0	0	1	1										
92550040	Fruit juice drink, low calorie	0	0	1	1	1	1	0	0	0	0	0										
92550050	Apple white grape juice drink, low calorie, with vitamin C added	1	0	0	0	0	0	0	0	0	0	0										
92550110	Cranberry juice drink, low calorie, with vitamin C added	1	0	0	0	0	0	0	0	0	0	0										
92550110	Cranberry juice drink or cocktail, low calorie, with high vitamin C	0	1	1	1	1	1	0	0	0	0	0										
92550110	Cranberry juice drink, with high vitamin C, light	0	0	0	0	0	0	0	0	0	1	1										
92550200	Grape juice drink, light	0	0	0	0	0	0	0	0	0	1	1										
92550210	Cranberry apple juice drink, low calorie, with vitamin C added	1	0	0	0	0	0	0	0	0	0	0										
92550300	Grapefruit juice drink, low calorie, with vitamin C added	1	0	0	0	0	0	0	0	0	0	0										
92550350	Light orange juice beverage, 40-50% juice, lower sugar and calories, with artificial sweetener	0	1	1	1	1	1	0	0	0	0	0										
92550350	Orange juice beverage, 40-50% juice, light	0	0	0	0	0	0	0	0	0	1	1										
92550360	Apple juice beverage, 40-50% juice, light	0	0	0	0	0	0	0	0	0	1	1										
92550370	Lemonade, fruit juice drink, light	0	0	0	0	0	0	0	0	0	1	1										
92550380	Pomegranate juice beverage, 40-50% juice, light	0	0	0	0	0	0	0	0	0	1	1										
92550400	Vegetable and fruit juice drink, low calorie, with high vitamin C	0	0	1	1	1	1	0	0	0	0	0										
92550400	Vegetable and fruit juice drink, with high vitamin C, diet	0	0	0	0	0	0	0	0	0	1	1										
92550405	Vegetable and fruit juice drink, low calorie, with high vitamin C plus added vitamin E and vitamin A	0	0	1	1	1	1	0	0	0	0	0										
92550405	Vegetable and fruit juice drink, with high vitamin C, light	0	0	0	0	0	0	0	0	0	1	1										
92550610	Fruit flavored drink, low calorie, with high vitamin C	0	1	1	1	1	1	0	0	0	0	0										
92550610	Fruit flavored drink, with high vitamin C, diet	0	0	0	0	0	0	0	0	0	1	1										
92550610	Fruit flavored drinks, punches, ades, low calorie, with vitamin C added	1	0	0	0	0	0	0	0	0	0	0										
92550620	Fruit flavored drink, diet	0	0	0	0	0	0	0	0	0	1	1										
92550620	Fruit flavored drink, low calorie	0	1	1	1	1	1	0	0	0	0	0										
92551700	Juice drink, low calorie	1	0	0	0	0	0	0	0	0	0	0										
92552000	Fruit flavored drink, made from powdered mix, low calorie, with high vitamin C	0	1	1	1	1	1	0	0	0	0	0										
92552000	Fruit flavored drink, with high vitamin C, powdered, reconstituted, diet	0	0	0	0	0	0	0	0	0	1	0										
92552000	Fruit flavored drink, with high vitamin C, powdered, reconstituted, diet	0	0	0	0	0	0	0	0	0	0	1										
92552000	Fruit flavored drink, made from powdered mix with high vitamin C added, low calorie	1	0	0	0	0	0	0	0	0	0	0										
92552010	Fruit flavored drink, made from powdered mix, low calorie	0	1	1	1	1	1	0	0	0	0	0										
92552010	Fruit flavored drink, powdered, reconstituted, diet	0	0	0	0	0	0	0	0	0	1	1										
92552020	Fruit juice drink, reduced sugar (Sunny D)	0	0	0	0	0	0	0	0	0	0	0										
92552020	Fruit juice drink, reduced sugar, with thiamin (vitamin B1) and high vitamin C	0	0	1	1	1	1	0	0	0	1	0										
92552020	Fruit juice drink, reduced sugar, with thiamin (vitamin B1) and vitamin C	0	1	0	0	0	0	0	0	0	0	0										
92552020	Sunny D, reduced sugar	0	0	0	0	0	0	0	0	0	1	0										
92552030	Capri Sun, fruit juice drink	0	0	0	0	0	0	0	0	0	1	0										
92552030	Fruit juice drink (Capri Sun)	0	0	0	0	0	0	0	0	0	0	1										
92552030	Fruit juice drink, reduced sugar, with vitamin E	0	0	1	1	1	1	0	0	0	0	0										
92552100	Orange-cranberry juice drink, low calorie, with vitamin C added	1	0	0	0	0	0	0	0	0	0	0										

Appendix A. List of food codes and Inferred proportions

		NHANES biennials				Reduced-fat margarine, reduced- sugar ketchup/mustard, and other reduced- fat/sugar condiments	Dry-mix seasoning and blends	Bakery cookies and pastry	Bakery reduced- fat cookies and pastry	RTD sport nutrition beverages	RTD beverages	Reduced- sugar cereals (RTT) and cereal bars	Candies	Confectionary	Dairy and imitation dairy products	Infant food: cereal	Infant food: bakery	Powdered beverage mix	Sauces, instant and prepared	Reduced-fat salad dressing, pourable and spoonable	Reduced-sugar snack-based fillings
94220215	Glaceau Vitamin Water Zero	0	0	0	0	0	1	0			1										
94220215	Water, bottled, flavored, sugar free (Glaceau Vitamin Water)	0	0	0	0	0	0	0			1										
94220310	SoBe Life Water Zero	0	0	0	0	0	0	1			1										
94220310	Water, bottled, flavored, sugar free (SoBe)	0	0	0	0	0	0	0			1										
95101000	Boost, nutritional drink, ready-to-drink	0	0	0	0	0	1	1			1										
95101000	Nutritional drink or shake, ready-to-drink (Boost)	0	0	0	0	0	0	0			1										
95101010	Boost Plus, nutritional drink, ready-to-drink	0	0	0	0	0	1	1			1										
95101010	Nutritional drink or shake, ready-to-drink (Boost Plus)	0	0	0	0	0	0	0			1										
95102000	Carnation Instant Breakfast, nutritional drink, regular, ready-to-drink	0	0	0	0	0	1	1			1										
95102000	Nutritional drink or shake, ready-to-drink (Carnation Instant Breakfast)	0	0	0	0	0	0	0			1										
95102010	Carnation Instant Breakfast, nutritional drink, sugar free, ready-to-drink	0	0	0	0	0	1	0			1										
95103000	Ensure, nutritional shake, ready-to-drink	0	0	0	0	0	1	1			1										
95103000	Nutritional drink or shake, ready-to-drink (Ensure)	0	0	0	0	0	0	0			1										
95103010	Ensure Plus, nutritional shake, ready-to-drink	0	0	0	0	0	1	1			1										
95103010	Nutritional drink or shake, ready-to-drink (Ensure Plus)	0	0	0	0	0	0	0			1										
95104000	Glucerna, nutritional shake, ready-to-drink	0	0	0	0	0	1	1			1										
95104000	Nutritional drink or shake, ready-to-drink, sugar free (Glucerna)	0	0	0	0	0	0	0			1										
95105000	Kellogg's Special K Protein Shake	0	0	0	0	0	1	1			1										
95105000	Nutritional drink or shake, ready-to-drink (Kellogg's Special K Protein)	0	0	0	0	0	0	0			1										
95106000	Muscle Milk, ready-to-drink	0	0	0	0	0	1	1			1										
95106000	Nutritional drink or shake, ready-to-drink (Muscle Milk)	0	0	0	0	0	0	0			1										
95106010	Muscle Milk, light, ready-to-drink	0	0	0	0	0	1	1			1										
95106010	Nutritional drink or shake, ready-to-drink, light (Muscle Milk)	0	0	0	0	0	0	0			1										
95110000	Nutritional drink or shake, ready-to-drink (Slim Fast)	0	0	0	0	0	0	0			1										
95110000	Slim Fast Shake, meal replacement, regular, ready-to-drink	0	0	0	0	0	1	1			1										
95110010	Nutritional drink or shake, ready-to-drink, sugar free (Slim Fast)	0	0	0	0	0	0	0			1										
95110010	Slim Fast Shake, meal replacement, sugar free, ready-to-drink	0	0	0	0	0	1	1			1										
95110020	Nutritional drink or shake, high protein, ready-to-drink (Slim Fast)	0	0	0	0	0	0	0			1										
95110020	Slim Fast Shake, meal replacement, high protein, ready-to-drink	0	0	0	0	0	1	1			1										
95120000	Nutritional drink or meal replacement, ready-to-drink, NFS	0	0	0	0	0	1	1			1										
95120000	Nutritional drink or shake, ready-to-drink, NFS	0	0	0	0	0	0	0			1										
95120010	Nutritional drink or meal replacement, high protein, ready-to-drink, NFS	0	0	0	0	0	1	1			1										
95120010	Nutritional drink or shake, high protein, ready-to-drink, NFS	0	0	0	0	0	0	0			1										
95120020	Nutritional drink or shake, high protein, light, ready-to-drink, NFS	0	0	0	0	0	0	0			1										
95120050	Nutritional drink or meal replacement, liquid, soy-based	0	0	0	0	0	1	1			1										
95120050	Nutritional drink or shake, liquid, soy-based	0	0	0	0	0	0	0			1										
95201000	Carnation Instant Breakfast, nutritional drink mix, regular, powder	0	0	0	0	0	1	1			1										
95201000	Nutritional powder mix (Carnation Instant Breakfast)	0	0	0	0	0	0	0			1										
95201010	Carnation Instant Breakfast, nutritional drink mix, sugar free, powder	0	0	0	0	0	1	1			1										
95201010	Nutritional powder mix, sugar free (Carnation Instant Breakfast)	0	0	0	0	0	0	0			1										
95201200	EAS Whey Protein Powder	0	0	0	0	0	1	1			1										
95201200	Nutritional powder mix (EAS Whey Protein Powder)	0	0	0	0	0	0	0			1										
95201300	EAS Soy Protein Powder	0	0	0	0	0	1	1			1										
95201300	Nutritional powder mix (EAS Soy Protein Powder)	0	0	0	0	0	0	0			1										
95201500	Herballe, nutritional shake mix, high protein, powder	0	0	0	0	0	1	1			1										
95201500	Nutritional powder mix, high protein (Herballe)	0	0	0	0	0	0	0			1										
95201600	IsoPure protein powder	0	0	0	0	0	1	1			1										
95201600	Nutritional powder mix (IsoPure)	0	0	0	0	0	0	0			1										
95201700	Kellogg's Special K20 Protein Water Mix	0	0	0	0	0	1	1			1										
95201700	Nutritional powder mix (Kellogg's Special K20 Protein Water)	0	0	0	0	0	0	0			1										
95202000	Muscle Milk, regular, powder	0	0	0	0	0	1	1			1										
95202000	Nutritional powder mix (Muscle Milk)	0	0	0	0	0	0	0			1										

Appendix A. List of food codes and inferred proportions

NHANES biennials				Reduced-fat margarine, reduced- sugar ketchup/mustard, and other reduced- fat/sugar condiments	Onion seasoning and blends	Bakery cookies and pastry	Bakery reduced- fat cookies and pastry	RTD sport nutrition beverages	RTD beverages	Reduced- sugar cereals (RTE) and cereal bars	Candies	Confectionary	Dairy and imitation dairy products	Infant food: cereal	Infant food: bakery	Powdered beverage mix	Sauces, instant and prepared	Reduced-fat salad dressing, pourable and spoonable	Reduced-sugar snack-based fillings
95202010	Muscle Milk, light, powder	0	0	0	0	1	1	0											
95202020	Nutritional powder mix, light (Muscle Milk)	0	0	0	0	0	0	0	1										
95210000	Nutritional powder mix (Slim Fast)	0	0	0	0	0	0	0	1										
95210000	Slim Fast Shake Mix, powder	0	0	0	0	0	1	1	0										
95210010	Nutritional powder mix, sugar free (Slim Fast)	0	0	0	0	0	0	0	1										
95210010	Slim Fast Shake Mix, sugar free, powder	0	0	0	0	0	1	1	0										
95210020	Nutritional powder mix, high protein (Slim Fast)	0	0	0	0	0	0	0	1										
95210020	Slim Fast Shake Mix, high protein, powder	0	0	0	0	0	1	1	0										
95220000	Nutritional drink mix or meal replacement, powder, NFS	0	0	0	0	1	1	0											
95220000	Nutritional powder mix, NFS	0	0	0	0	0	0	0	1										
95220010	Nutritional drink mix or meal replacement, high protein, powder, NFS	0	0	0	0	1	1	0											
95220010	Nutritional powder mix, high protein, NFS	0	0	0	0	0	0	0	1										
95220000	Nutritional powder mix, whey based, NFS	0	0	0	0	0	0	0	1										
95230010	Protein powder, whey based, NFS	0	0	0	0	1	1	0											
95230010	Nutritional powder mix, protein, soy based, NFS	0	0	0	0	0	0	0	1										
95230010	Protein powder, soy based, NFS	0	0	0	0	1	1	0											
95230020	Nutritional powder mix, protein, high, NFS	0	0	0	0	0	0	0	1										
95230020	Protein powder, high, NFS	0	0	0	0	1	1	0											
95230030	Nutritional powder mix, protein, NFS	0	0	0	0	0	0	0	1										
95230030	Protein powder, NFS	0	0	0	0	1	1	0											
95310200	Energy drink (Full Throttle)	0	0	0	0	0	0	0	1										
95310200	Full Throttle Energy Drink	0	0	0	0	1	1	0											
95310400	Energy drink (Monster)	0	0	0	0	0	0	0	1										
95310400	Monster Energy Drink	0	0	0	0	1	1	0											
95310500	Energy drink (Mountain Dew AMP)	0	0	0	0	0	0	0	1										
95310500	Mountain Dew AMP Energy Drink	0	0	0	0	1	1	0											
95310550	Energy drink (No Fear)	0	0	0	0	0	0	0	1										
95310550	No Fear Energy Drink	0	0	0	0	1	1	0											
95310555	Energy drink (No Fear Motherload)	0	0	0	0	0	0	0	1										
95310555	No Fear Motherload Energy Drink	0	0	0	0	1	1	0											
95310560	Energy drink (NOS)	0	0	0	0	0	0	0	1										
95310560	NOS Energy Drink	0	0	0	0	1	1	0											
95310600	Energy drink (Red Bull)	0	0	0	0	0	0	0	1										
95310600	Red Bull Energy Drink	0	0	0	0	1	1	0											
95310700	Energy drink (Rockstar)	0	0	0	0	0	0	0	1										
95310700	Rockstar Energy Drink	0	0	0	0	1	1	0											
95310750	Energy drink (SoBe Energy Energy Juice Drink)	0	0	0	0	0	0	0	1										
95310750	SoBe Energy Energy Juice Drink	0	0	0	0	1	1	0											
95310800	Energy drink (Vault)	0	0	0	0	0	0	0	1										
95310800	Vault Energy Drink	0	0	0	0	1	1	0											
95311000	Energy drink	0	0	0	0	1	1	1											
95312400	Energy drink, low calorie (Monster)	0	0	0	0	0	0	0	1										
95312400	Monster Energy Drink, Lo Carb	0	0	0	0	1	1	0											
95312500	Energy drink, sugar free (Mountain Dew AMP)	0	0	0	0	0	0	0	1										
95312500	Mountain Dew AMP Energy Drink, sugar-free	0	0	0	0	1	1	0											
95312550	Energy drink, sugar free (No Fear)	0	0	0	0	0	0	0	1										
95312550	No Fear Energy Drink, sugar-free	0	0	0	0	1	1	0											
95312555	Energy drink, sugar-free (NOS)	0	0	0	0	0	0	0	1										
95312555	NOS Energy Drink, sugar-free	0	0	0	0	1	1	0											
95312560	Ocean Spray Cran-Energy Cranberry Energy Juice Drink	0	0	0	0	1	1	0											
95312560	Energy drink (Ocean Spray Cran-Energy Juice Drink)	0	0	0	0	0	0	0	1										
95312600	Energy drink, sugar-free (Red Bull)	0	0	0	0	0	0	0	1										
95312600	Red Bull Energy Drink, sugar-free	0	0	0	0	1	1	0											
95312700	Energy drink, sugar free (Rockstar)	0	0	0	0	0	0	0	1										
95312700	Rockstar Energy Drink, sugar-free	0	0	0	0	1	1	0											
95312800	Energy drink, sugar free (Vault)	0	0	0	0	0	0	0	1										
95312800	Vault Zero Energy Drink	0	0	0	0	1	1	0											
95312900	Energy drink (XS)	0	0	0	0	0	0	0	1										
95312900	XS Energy Drink	0	0	0	0	1	1	0											
95312905	Energy drink (XS Gold Plus)	0	0	0	0	0	0	0	1										
95312905	XS Gold Plus Energy Drink	0	0	0	0	1	1	0											
95313200	Energy drink, sugar free	0	0	0	0	0	0	1	1										
95320200	Gatorade G sports drink	0	0	0	0	0	1	0											
95320200	Gatorade Thirst Quencher sports drink	0	0	0	0	0	1	0											
95320200	Sports drink (Gatorade G)	0	0	0	0	0	0	0	1										
95320500	Powdered sports drink	0	0	0	0	0	1	0											
95320500	Sports drink (Powead)	0	0	0	0	0	0	0	1										
95321000	Fruit-flavored thirst quencher beverage	0	0	0	0	0	1	0											
95321000	Sports drink, NFS	0	0	0	0	0	1	1											
95322200	Gatorade G2 sports drink, low calorie	0	0	0	0	0	1	0											
95322200	Gatorade G2 Thirst Quencher sports drink, low calorie	0	0	0	0	0	1	0											
95322200	Sports drink, low calorie (Gatorade G2)	0	0	0	0	0	0	1											

Appendix A. List of food codes and inferred proportions

		NHANES biennials				Reduced-fat mayonnaise, reduce- sugar ketchup/mustard, and other reduced- fat/sugar condiments	Dry-mix seasoning and blends	Bakery cookies and pastry	Bakery reduced- fat cookies and pastry	RTD sport nutrition beverages	RTD beverages	Reduced- sugar cereals (RTE) and cereal bars	Candies	Confectionary	Dairy and imitation dairy products	Infant food: cereal	Infant food: bakery	Powdered beverage milk	Sauces, instant and prepared	Reduced-fat salad dressing, pourable and spoonable	Reduced-sugar snack-based fillings
95322500	Powerade Zero sports drink, low calorie	0	0	0	0	1	1	0		1											
95322500	Sports drink, low calorie (Powerade Zero)	0	0	0	0	0	0	0	1												
95323000	Fruit-flavored sports drink or thirst quencher beverage, low calorie	0	0	0	0	1	0	0		1											
95323000	Sports drink, low calorie	0	0	0	0	0	0	1	1												
95330100	Fluid replacement, electrolyte solution	0	0	0	0	1	1	1		1											
95330500	Fluid replacement, 5% glucose in water	0	0	0	0	1	1	1		1											
95342000	Fruit juice, acid blend	0	0	0	0	0	0	0	1												
95342000	Nonalcoholic blend beverage	0	0	0	0	1	1	0		1											
95998130	Sauce as ingredient in hamburgers	0	0	0	0	0	0	1											1		

EXHIBIT 1

Report of the GRAS Panel

OPINION OF A GRAS PANEL ON THE SAFETY AND GENERALLY RECOGNIZED AS SAFE (GRAS) STATUS OF SOLUBLE RICE FLOUR FOR USE AS AN INGREDIENT IN HUMAN FOOD

Introduction

An independent panel of experts (GRAS Panel), qualified by scientific training and experience to evaluate the safety of food and food ingredients, was requested by Cargill, Incorporated (Cargill) to determine the safety and Generally Recognized as Safe (GRAS) status of the use of soluble rice flour for use in food for human consumption. Soluble rice flour is intended for use as a texturizing and bulking agent, binder, and carrier (i.e., spray drying/encapsulating aid). The soluble rice flour ingredient is manufactured in accordance with current Good Manufacturing Practice (cGMP) and meets the proposed specifications.

A detailed review based on the existing scientific literature (through February 2020) on the safety of rice flour and soluble rice flour was conducted by ToxStrategies, Inc. (ToxStrategies) and is summarized in the attached dossier. The GRAS Panel members reviewed the dossier prepared by ToxStrategies and other pertinent information and convened on January 11, 2020 via teleconference. Based on their independent, critical evaluation of all of the available information, the GRAS Panel unanimously concluded that the intended uses and use levels described herein for Cargill's soluble rice flour ingredient, meeting appropriate food-grade specifications as described in the supporting dossier (**GRAS Determination of Soluble Rice Flour for Use in Food**) and manufactured according to cGMP, is safe, suitable, and GRAS based on scientific procedures. A summary of the basis for the GRAS Panel's conclusion is provided below.

Summary and Basis for GRAS Determination

Description

Soluble rice flour is produced from rice flour that has been enzymatically treated to ensure that the flour is more soluble. It is a white powder with a characteristic odor and has a solubility of >70% (in water at 5% solids) and a viscosity in water (10% solids) between 0.001 and 1.0 Pa. Cargill's native food-grade rice flour source material results in a soluble rice flour product that is very similar in nutritional composition. The small increase in carbohydrate content as compared to rice flour (corresponding to an increased dextrose equivalent) is balanced by negligible decreases in fat, fiber, proteins, and moisture.

Manufacturing Process

The starting material in the production of soluble rice flour is food-grade rice flour. It is combined with water and safe and suitable food-grade enzymes (e.g., α -amylase and protease; consistent with Food Chemicals Codex (FCC) and JECFA specifications for food-grade enzymes) to create a slurry that is then pH adjusted with various acids/bases.

The enzyme treatment results in the following: when the starch granules are treated with α -amylase, the amylase enzyme catalyzes the digestion of α -1,4 glycosidic bonds present in amylose and amylopectin. The resulting polymer fragments are of decreased molecular weight, and readily soluble in water. Sodium bisulfite is added as a microbial control agent to the initial slurry. The final soluble rice flour product will be analyzed for sulfite residues to ensure a maximum residual SO₂ level of <10 ppm (i.e., the sulfite labeling limit). The slurry is then cooked to temperatures between 100 and 150°C to gelatinize and solubilize starch granules present in the rice flour. The liquefact may be cooked multiple times to attain sufficient gelatinization and solubilization of the starch granules.

During the saccharification process, additional α -amylase may be added to ensure that hydrolysis of the starch continues at the rate necessary to achieve the desired dextrose equivalent (DE) level, as the enzyme activity level may decrease during the cooking process.

Once the desired DE level has been achieved, an enzyme kill step is initiated by reducing the pH to 2.7–4.0 by the inclusion of acid (e.g., citric or hydrochloric acid) combined with a temperature of 80–95°C. Cessation of enzymatic activity takes approximately 15 minutes under these conditions. Following the completion of the kill step, the pH is raised to 4.5 ± 0.50 by addition of base (e.g., sodium hydroxide or sodium carbonate).

To attain desired functionality, an additional enzyme treatment step may be conducted prior to cooking, or immediately following the α -amylase kill step. The pH of the mixture is then adjusted by adding acids/bases, and the temperature of the mixture is controlled as above, to achieve optimal enzyme activity for hydrolysis. A kill step similar to that described above is then conducted.

To reduce water activity and the potential for microbial growth and/or to decrease the amount of moisture to be removed upon drying, the slurry undergoes an evaporation step (e.g., using falling-film or forced-circulation evaporators). If desired to improve functionality, an optional filtration step (employing safe and suitable filter material, diatomaceous earth) may be conducted prior to evaporation to further increase the solubility of the ingredient by filtering out insoluble components (e.g., proteins, etc.). The product is then dried (e.g., spray-dried or roll drying) to obtain a powder with a targeted moisture level not to exceed 10.0% and is then packaged.

Analytical (physical, chemical and microbiological) results for the final soluble rice flour product confirm that the finished product meets the proposed specifications as demonstrated by the consistency of production, the lack of impurities and contaminants (e.g., heavy metals; microbiological contaminants).

The soluble rice flour product has been tested over a 4-month period at room temperature for stability and meets the analytical specifications. However, the stability of soluble flour is expected to be similar to that of their native flour counterparts. The shelf life of the soluble flour ingredient is expected to be 12 months after the production date when properly stored inside, under dry conditions (similar to standard rice flour). Further,

soluble rice flour has a low fat/oil content, which limits the possibility of product oxidation and rancidity. The ingredient also has low water activity, which should lower the risk of microbial growth and contamination. Continued stability testing is ongoing to validate a longer shelf-life.

History of Use

Rice (*Oryza sativa*) and its derivatives, such as rice flour, have a long history of use in human food. With its cultivation first documented 2,000–4,500 years ago, rice has become a global dietary staple in the last 500 years, (Barker and Janowski, 2011; Burlando and Cornara, 2014; Zhai et al., 1996). The average per capita rice consumption has been estimated at 56.9 kg/year globally and up to 68.5 kg/year in developing countries (Kahlon, 2009). The mean and 90th percentile rice consumption in the U.S. for all individuals was reported to be 152 and 312 grams/person per eating occasion, respectively (Smiciklas-Wright et al., 2002). The estimated intakes per eating occasion could be as high as 476 grams/person, or approximately three cups, when using data from the 95th percentile users in this study. In a separate survey, 84% of adults were estimated to be rice consumers, with most consuming between 0.25 and 0.5 oz (equivalent) per day (Nicklas et al., 2014). Batres-Marques and Jensen (2005) found that >18% of adults reported eating at least one-half serving of rice (including white rice, brown rice, and rice flour) per day.

Extensive published information and data have been submitted to and reviewed by FDA as part of various GRAS notifications (GRNs) for rice-related products. Together with the well-established safety of rice itself, and a review of animal and human studies demonstrating the health benefits of these rice-derived ingredients, the respective GRNs concluded the rice products to be safe for their intended uses in human food. The following is a summary list of such GRAS notifications, all of which received “no objection” letters for their respective use(s) in food.

GRN No.	GRAS Substance	Year of Closure
720	Rice bran wax	2018
609	Rice protein concentrate	2016
478	Rice hull fiber	2015
373	Rice bran fiber	2011

Sources: FDA 2011, 2015, 2016, 2018

Intended Use and Intake Assessment

Soluble rice flour is intended for use as a texturizing and bulking agent, binder, and carrier (i.e., spray drying/encapsulating aid) in select foods. The table below summarizes the food categories and associated use levels. An intake assessment was conducted to estimate the mean and 90th percentile daily intakes of soluble rice flour.

Proposed Food Use Category	Usage Level (% as consumed)
Bakery products (cookies and pastries)	5%; reduced-fat cookies and pastries 25%
Beverages, RTD (e.g., carbonated soft drinks, fruit-flavored drinks, fruit juices, sports beverages, nutrition beverages)	1%; sports and nutrition beverages 10%
Carrier in flavor blends (to be used in seasonings, soup/broth, gravy, batter/breading mixes—dry mixes and prepared)	80%
Reduced-sugar cereals (RTE) and cereal bars	20%
Candies, soft and hard (e.g., gummies, etc.)	10%
Confectionary (e.g., puddings, icings, coating for cereals, etc.)	50%
Dairy and imitation dairy products (e.g., flavored milk drinks, ice cream, yogurt, sour cream, whipped cream, spreads, non-dairy vegan alternatives)	10%
Dry mix seasonings and blends (e.g., taco seasoning, etc.); instant soup/broth mixes	25%
Infant food—12+ months; cereals, porridges, other bakery products	5% in bakery, 20% for cereals and porridges
Powdered beverage mixes (e.g., fruit-flavored, flavored milk drinks)	60%
Sauces, instant and prepared (e.g., taco sauce, gravy, etc.)	5%
Reduced-fat salad dressings, pourable and spoonable (regular and reduced-fat)	20%
Reduced-sugar snack-based fillings (e.g., fig newtons, strudels)	20%
Reduced-fat mayonnaise, reduced-sugar ketchup/mustard, and other reduced-fat/sugar condiments	5%

The population group *per user* 90th percentile intakes ranged from 119.96 to 187.13 g/day, with the highest overall *per user* 90th percentile intake being in the 19+ age group and the lowest in the 2- to 5-year age group. The population group *per user* 90th percentile intakes normalized for body weight ranged from 2.43 to 7.17 g/kg bw/day, with the highest overall *per user* 90th percentile intake being in the 2- to 5-year age group and the lowest in the 19+ age group.

The estimate of the 90th percentile *per user* consumption for the general US population (2+ years of age) of approximately 176.15 g/day, or 2.90 g/kg bw/day are extremely conservative. In reality, the actual consumption would be much less, because the intake assessment assumes that all the listed foods contain soluble rice flour and individuals consume all the listed foods daily. Furthermore, a 2-day survey overestimates the actual consumption.

Estimated daily intake for soluble rice flour (g/day)

Food Category	Number of Users	Percent Users	EDI per User (g/day)		EDI per Capita (g/day)	
			Mean	90 th Percentile	Mean	90 th Percentile
US Population, Ages 2+						
Total*	49619	99%	74.6	176	73.9	175
US Population, Ages 2-5						
Total*	4603	99%	53.2	120	53.0	120
US Population, Ages 6-18						
Total*	14335	99%	67.1	151	66.5	150
US Population, Ages 19+						
Total*	30681	99%	78.0	187	77.2	186

* Total values reflect intake from foods in any of the proposed food categories

Estimated daily intake for soluble rice flour (g/kg bw/day)

Food Category	Number of Users	Percent Users	EDI per User (g/kg/day)		EDI per Capita (g/kg/day)	
			Mean	90 th Percentile	Mean	90 th Percentile
US Population, Ages 2+						
Total*	49619	99%	1.21	2.90	1.20	2.88
US Population, Ages 2-5						
Total*	4603	99%	3.13	7.17	3.11	7.15
US Population, Ages 6-18						
Total*	14335	99%	1.56	3.59	1.54	3.58
US Population, Ages 19+						
Total*	30681	99%	0.99	2.43	0.98	2.41

* Total values reflect intake from foods in any of the proposed food categories

Safety Data

Rice flour is a common substitute for wheat flour. With solubility measurements of greater than 80%, soluble rice flours are more highly soluble than their native counterparts. However, processing of Cargill's native rice flour source material results in a soluble rice flour product that is very similar in nutritional composition. The small

increase in carbohydrate content as compared to rice flour (corresponding to an increased dextrose equivalent) is balanced by negligible decreases in fat, fiber, proteins, and moisture. Such minor differences demonstrate that the compositional profile of rice flour is generally maintained after processing and supports the conclusion that there is no safety concern in regard to the proposed soluble rice flour product and its use in food.

In addition, the food-grade enzymes used for soluble rice flour are commonly used in food ingredient manufacturing processes and are not expected to introduce any new (or potential) constituents of concern relative to what is present in rice flour currently consumed widely as a foodstuff. The enzymes catalyze the digestion of α -1,4 glycosidic bonds present in amylose and amylopectin. The resulting polymer fragments are of decreased molecular weight, and readily soluble in water. These smaller polymers retain the essential structure of the complex carbohydrates found in unmodified rice flour. For this reason, the available data on rice flour were used to directly support the safety of the intended use of soluble rice flour in human food. A similar approach was applied to water-soluble tomato concentrate in GRN 210 (FDA, 2007), in which the safety of the product was based on the history of tomato use, comparative analysis of the water-soluble concentrate to other commercially available tomato products, nutritional composition, and preclinical data on conventional and genetically modified tomatoes.

The general composition, and thus the safety profile, of soluble rice flour is not expected to differ from that of rice and rice flour currently consumed in conventional foods. Given that rice and its derivatives are common components of the human diet, few traditional toxicology studies evaluating rice flour itself were identified in the published literature. On the contrary, most studies identified in literature searches used conventional rice flour as a control when evaluating the safety of transgenic rice flours in the diet. Therefore, studies conducted with rice flour as the test or control group were identified and deemed suitable for inclusion in the safety assessment of soluble rice flour. Many different rice flours have been evaluated for safety as part of different types of long-term studies. In addition, the potential therapeutic properties of rice flours have been investigated in animal and human models. Preclinical evaluations covered toxicological endpoints relevant to human oral consumption of rice flours and included acute- and repeated-dose oral toxicity, reproductive and developmental toxicity, and genotoxicity/mutagenicity. In total, these studies concluded that the respective control rice flour test materials were not associated with toxicity or other adverse effects. Finally, rice and its derivatives have not been shown to be allergenic outside of isolated instances of hypersensitivity to rice itself. However, any potential concern for an allergic reaction in already sensitive individuals would be addressed, because the ingredient lists of specified food products would state the presence of a rice-derived ingredient, and individuals who wish to avoid rice consumption would be able to identify its presence.

The totality of information available on rice, rice flour, and soluble rice flour that have been reviewed as part of this current GRAS assessment is considered to be sufficient to support the safe use of soluble rice flour for the proposed intended uses described herein.

General Recognition of the Safety of Soluble Rice Flour

The intended use of the soluble rice flour ingredient has been determined to be safe through scientific procedures as set forth in 21 CFR § 170.3(b), thus satisfying the so-called “technical” element of the GRAS determination, and this determination is based on the following:

- The Cargill soluble rice flour ingredient that is the subject of the current GRAS determination is enzymatically derived from standard food-grade rice flour, a common human food ingredient.
- The soluble rice flour product is a white powder with a characteristic odor and has a solubility of >80% (in water at 5% solids). The soluble rice product is manufactured in a manner consistent with current Good Manufacturing Practices (cGMP) for food (21 CFR Part 110). The raw materials and processing aids used in the manufacturing process are food grade and/or approved for use in food.
- The intake of total and inorganic arsenic from the intended use of soluble rice flour is negligible and would not be expected to contribute to the background dietary intake of arsenic. In addition, inorganic arsenic is water soluble, and thus, the manufacturing process of soluble rice flour will remove most of the inorganic arsenic.
- Rice and its derivatives such as rice flour have a long history as a source of human food and have served as a dietary staple for more than half the global population. Safety-related information on rice flour and its constituents, the same as those present in the soluble rice flour product, is available in the peer-reviewed literature.
- The soluble rice flour ingredient is proposed for use as a texturizing and bulking agent, binder, carrier (spray drying/encapsulating aid), and it has film-forming properties and contributes viscosity and body.
- The population group *per user* 90th percentile intakes ranged from 119.96 to 187.13 g/day, with the highest overall *per user* 90th percentile intake being in the 19+ age group and the lowest in the 2- to 5-year age group. The population group *per user* 90th percentile intakes normalized for body weight ranged from 2.43 to 7.17 g/kg bw/day, with the highest overall *per user* 90th percentile intake being in the 2- to 5-year age group and the lowest in the 19+ age group.
- The estimate of the 90th percentile *per user* consumption for the general US population (2+ years of age) of approximately 176.15 g/day, or 2.90 g/kg bw/day are extremely conservative and assumes that individuals consume all the proposed foods daily.
- Available safety study data on rice flours in the public domain do not raise any questions with regard to their safe use in foods. The studies include acute and repeated-dose oral toxicity, reproductive and developmental toxicity, genotoxicity/ mutagenicity studies, and human clinical trials.

- No adverse effects were attributable to soluble rice flour in multiple animal studies; NOAELs of approximately 61 – 77 g/kg bw/day were noted in subchronic studies. In addition, no significant adverse events were noted in clinical trial subjects receiving 10 g/day of soluble rice flour for up to 12 weeks.
- The reported NOAELs are significantly higher than the overly conservative estimated daily intakes of soluble rice flour and support the safety of soluble rice flour for the proposed food uses.
- The publicly available scientific literature on the consumption and safety of rice flour and the nutritional and chemical characterization of the soluble rice flour product are sufficient to support the safety and GRAS determination of the proposed soluble rice flour ingredient.

Because this safety evaluation was based on generally available and widely accepted data and information, it also satisfies the so-called “common knowledge” element of a GRAS determination.

Conclusions of the GRAS Panel

We, the undersigned independent, qualified members of the GRAS Panel, have individually and collectively critically reviewed the published and ancillary information summarized above, and other data and information that we deemed pertinent to the identification, use, and safety of Cargill’s soluble rice flour product as an ingredient in food products. We unanimously conclude that the intended use of Cargill’s soluble rice flour ingredient, produced in a manner consistent with current good manufacturing practice (cGMP) and meeting the appropriate food-grade specifications, as presented in the supporting dossier “GRAS Determination of Soluble Rice Flour for Use in Food”, is safe.

We, the members of the GRAS Panel, further unanimously conclude that the intended uses and use levels of Cargill’s soluble rice flour ingredient in foods for human consumption, produced consistent with current good manufacturing practice (cGMP) and meeting the appropriate food-grade specifications as presented in the supporting dossier is Generally Recognized as Safe (GRAS) based on scientific procedures under the conditions of intended use in conventional foods specified herein.

It is our professional opinion that other qualified experts critically evaluating the same information would also concur with this conclusion.

Michael Carakostas, DVM, Ph.D.
Consultant
MC Scientific Consulting LLC

Date

Stanley M. Tarka, Jr., Ph.D., Fellow, ATS
The Tarka Group, Inc.
The Pennsylvania State University, College of Medicine

Date

Thomas Vollmuth, Ph.D.
Consultant
Vollmuth and Associates, LLC

Date

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[Redacted Signature]

Michael Carakostas, DVM, Ph.D.
Consultant
MC Scientific Consulting LLC

12-March 2020
Date

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The Tarka Group, Inc.
The Pennsylvania State University, College of Medicine

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12 March 2020

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Date

Conclusions of the GRAS Panel

We, the undersigned independent, qualified members of the GRAS Panel, have individually and collectively critically reviewed the published and ancillary information summarized above, and other data and information that we deemed pertinent to the identification, use, and safety of Cargill's soluble rice flour product as an ingredient in food products. We unanimously conclude that the intended use of Cargill's soluble rice flour ingredient, produced in a manner consistent with current good manufacturing practice (cGMP) and meeting the appropriate food-grade specifications, as presented in the supporting dossier "GRAS Determination of Soluble Rice Flour for Use in Food", is safe.

We, the members of the GRAS Panel, further unanimously conclude that the intended uses and use levels of Cargill's soluble rice flour ingredient in foods for human consumption, produced consistent with current good manufacturing practice (cGMP) and meeting the appropriate food-grade specifications as presented in the supporting dossier is Generally Recognized as Safe (GRAS) based on scientific procedures under the conditions of intended use in conventional foods specified herein.

It is our professional opinion that other qualified experts critically evaluating the same information would also concur with this conclusion.

Michael Carakostas, DVM, Ph.D.
Consultant
MC Scientific Consulting LLC

Date

Stanley M. Tarka, Jr., Ph.D., Fellow, ATS
The Tarka Group, Inc.
The Pennsylvania State University, College of Medicine

Date

Thomas Vollmuth, Ph.D.
Consultant
Vollmuth and Associates, LLC

Date

MARCH 13, 2020

References

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From: [Don Schmitt](#)
To: [Downey, Jason](#)
Cc: [Witty Brathwaite](#)
Subject: Re: GRN 926 - Request for Additional Information
Date: Wednesday, September 23, 2020 12:37:48 PM
Attachments: [image003.png](#)
[Cargill Responses to FDA Questions 092220.pdf](#)
[Soluble Rice Flour Intake Assessment 092220.pdf](#)

Hi Jason,

Here are Cargill's responses to FDA's questions regarding GRN 926, dated September 9, 2020. Also attached is a revised intake assessment report which includes the carrier for flavor blends food category and the dietary intake of individuals 1+ years of age.

Please let me know if you have any additional questions.

Regards,

Don

Donald F. Schmitt, M.P.H.
Senior Managing Scientist

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From: "Donald Schmitt, MPH" <dschmitt@toxstrategies.com>
Date: Thursday, September 10, 2020 at 10:54 AM
To: "Downey, Jason" <Jason.Downey@fda.hhs.gov>

Subject: Re: GRN 926 - Request for Additional Information

Hi Jason,

We will respond with answers withing the 10 business day period.

Don

Donald F. Schmitt, M.P.H.
Senior Managing Scientist

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From: "Downey, Jason" <Jason.Downey@fda.hhs.gov>
Date: Wednesday, September 9, 2020 at 2:03 PM
To: "Donald Schmitt, MPH" <dschmitt@toxstrategies.com>
Subject: GRN 926 - Request for Additional Information

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi Don,

During our review of GRN 926, which you submitted on behalf of Cargill for use of soluble rice flour in certain foods, we noted seven requests for additional information, which are listed below. Please provide responses to these requests within **10 business days**. If you are unable to complete the response within that time frame, please contact me to discuss further options. If you have questions or need further clarification, please feel free to contact me. Thank you in advance for your attention.

to our comments.

Regards,

Jason

Jason Downey, PhD

Regulatory Review Scientist

Division of Food Ingredients

Center for Food Safety and Applied Nutrition

Office of Food Additive Safety

U.S. Food and Drug Administration

jason.downey@fda.hhs.gov



GRN 926 Questions to the Notifier

1. On page 6 of the notice, Cargill states that the notified substance is, “exempt from the pre-market approval requirements of the Federal Food, Drug, and Cosmetic Act, based on a conclusion that the notified substance is GRAS under the conditions of its intended use.” We note that, per 21 CFR 170.225(c)(6), Part I of the notice should state the notifier’s view that the notified substance is not subject to the premarket approval requirements of the FD&C Act based on the notifier’s GRAS conclusion. Please provide a statement of Cargill’s view that soluble rice flour is exempt from premarket approval requirements of the FD&C Act based on Cargill’s conclusion that the notified substance is GRAS under the conditions of its intended use.
2. In the identity section of the notice (page 8), Cargill describes soluble rice flour as having a solubility of >70% (in water at 5% solids). However, in part 6 of the notice (i.e., GRAS Narrative), Cargill notes solubility measurements of >80% (pages 21, 32 and 35). Please indicate the appropriate solubility in water at 5% solids of the soluble rice flour.
3. Cargill discusses use of food-grade enzymes (α -amylase and protease) in the manufacturing process for soluble rice flour. In Table 2, Cargill also lists the reagents and processing aids used in the manufacture of soluble rice flour along with their associated regulations in Title 21 of the Code of Federal Regulation (21 CFR). The regulation Cargill cites for α -amylase from *Bacillus licheniformis* (i.e., 21 CFR 184.1033) describes GRAS-affirmed uses of citric acid. We note that uses of α -amylase from *Bacillus stearothermophilus* are affirmed GRAS under 21 CFR 184.1012 and that we have been notified of independent GRAS conclusions for certain uses of α -amylase prepared from *B. licheniformis* (e.g., GRNs 000022, 000024, 000079, 000594, and 000664).
 - a. Please confirm that the introduced enzymes are from non-toxigenic and non-pathogenic sources.
 - b. Please confirm that these enzymes have the appropriate regulatory status for their

specific use in the U.S.

- c. Please indicate if these enzymes are removed or if they are expected to be present in the final product.
4. The food categories and intended use levels outlined in Table 6 of the notice include infant food-12+ months in cereals and porridges at use levels of 20% and other bakery products at use levels of 5%. However, the dietary exposure data Cargill provides in Tables 7 and 8 refer to the population group aged 2+ years. Please provide dietary exposure data that include the age groups and food uses outlined in Table 6 (i.e., 1-2 years of age).
5. Table 6 lists the use of soluble rice flour as a “Carrier in flavor blends (to be used in seasonings, soup/broth, gravy, batter/breading mixes-dry mixes and prepared)” at an 80% use level. However, Table 1 in Appendix B (Intake Assessment Report) does not list this use. Please clarify if the dietary exposure calculations reported in the notice included this use and use level.
6. Please explain how the test article used in the safety studies discussed in the notice compares quantitatively and qualitatively to soluble rice flour. In other words, please discuss how the test article used in the safety studies compares to the article of commerce.
7. Cargill’s soluble rice flour has a higher dextrose equivalent (DE) value of approximately 12.15 compared to that of native rice flour, which is 0.00. Please explain why the higher dextrose level present in soluble rice flour is not expected to adversely impact the health and safety in specific subpopulations, such as in diabetics.

Responses to Questions/Comments Regarding GRN 000926:

Question 1: On page 6 of the notice, Cargill states that the notified substance is, “exempt from the pre-market approval requirements of the Federal Food, Drug, and Cosmetic Act, based on a conclusion that the notified substance is GRAS under the conditions of its intended use.” We note that, per 21 CFR 170.225(c)(6), Part I of the notice should state the notifier’s view that the notified substance is not subject to the premarket approval requirements of the FD&C Act based on the notifier's GRAS conclusion. Please provide a statement of Cargill’s view that soluble rice flour is exempt from premarket approval requirements of the FD&C Act based on Cargill’s conclusion that the notified substance is GRAS under the conditions of its intended use.

Response:

It is Cargill’s view that soluble rice flour is exempt from the premarket approval requirements of the FD&C Act based on Cargill’s conclusion that the notified substance is GRAS under the conditions of its intended use.

Question 2:

In the identity section of the notice (page 8), Cargill describes soluble rice flour as having a solubility of >70% (in water at 5% solids). However, in part 6 of the notice (i.e., GRAS Narrative), Cargill notes solubility measurements of >80% (pages 21, 32 and 35). Please indicate the appropriate solubility in water at 5% solids of the soluble rice flour.

Response:

The appropriate solubility of soluble rice flour in water at 5% solids is >80%. The 2nd sentence on page 8 should be corrected to read, “It is a white powder with a characteristic odor and has a solubility of >80% (in water at 5% solids) and a viscosity in water (10% solids) between 0.001 and 1.0 Pa.”

Question 3:

Cargill discusses use of food-grade enzymes (α -amylase and protease) in the manufacturing process for soluble rice flour. In Table 2, Cargill also lists the reagents and processing aids used in the manufacture of soluble rice flour along with their associated regulations in Title 21 of the Code of Federal Regulation (21 CFR). The regulation Cargill cites for α -amylase from *Bacillus licheniformis* (i.e., 21 CFR 184.1033) describes GRAS-affirmed uses of citric acid. We note that uses of α -amylase from *Bacillus stearothermophilus* are affirmed GRAS under 21 CFR 184.1012 and that we have been notified of independent GRAS conclusions for certain uses of α -amylase prepared from *B. licheniformis* (e.g., GRNs 000022, 000024, 000079, 000594, and 000664).

- a. Please confirm that the introduced enzymes are from non-toxicogenic and non-pathogenic sources.

Response:

Both the protease and amylase enzymes are from non-toxicogenic and non-pathogenic sources (see GRN Nos. 594 and 564).

- b. Please confirm that these enzymes have the appropriate regulatory status for their specific use in the U.S.

Response:

The amylase enzyme and its use to process starch is covered in GRN 594 and the protease enzyme and its use to hydrolyze protein is covered in GRN 564

- c. Please indicate if these enzymes are removed or if they are expected to be present in the final product.

Response:

The enzymes are deactivated via an acid kill step at high temperature (noted on the process flow chart). There is no filtration or removal of the enzyme residues from the product. However, as these enzymes are GRAS for their intended uses during the production process of soluble rice flour, there are no safety concerns associated with residues of deactivated enzymes in the final product.

Question 4:

The food categories and intended use levels outlined in Table 6 of the notice include infant food-12+ months in cereals and porridges at use levels of 20% and other bakery products at use levels of 5%. However, the dietary exposure data Cargill provides in Tables 7 and 8 refer to the population group aged 2+ years. Please provide dietary exposure data that include the age groups and food uses outlined in Table 6 (i.e., 1-2 years of age).

Response:

Please see new Tables 7 and 8 which include infant food-12+ months of age in cereals and porridges at use levels of 20% and other bakery products at use levels of 5%. Also attached is a revised intake assessment report with associated food codes.

Question 5:

Table 6 lists the use of soluble rice flour as a “Carrier in flavor blends (to be used in seasonings, soup/broth, gravy, batter/breading mixes-dry mixes and prepared)” at an 80% use level. However, Table 1 in Appendix B (Intake Assessment Report) does not list this use. Please clarify if the dietary exposure calculations reported in the notice included this use and use level.

Response:

Table 1 of Appendix B did not contain the category of “carrier in flavor blends” nor was it included in the intake calculations in Tables 7 and 8. This was in error. Please see new Tables 7 and 8 which include this category as well as revised daily intakes (and associated food codes). There were no significant changes in the overall intake compared to the original GRAS notice submission.

Question 6:

Please explain how the test article used in the safety studies discussed in the notice compares quantitatively and qualitatively to soluble rice flour. In other words, please discuss how the test article used in the safety studies compares to the article of commerce.

Response:

As stated on page 22 of the GRN, many different rice flours have been evaluated for safety as part of different types of long-term studies. They have been used as a control in animal models evaluating the repeat-dose toxicity of different transgenic rice flours and in human clinical trials. In addition, the potential therapeutic properties of rice flours have been investigated in animal and human models. The composition of the Cargill soluble rice flour is similar to that of both its native flour source material, and various rice flours that have been shown to be safe in animal and human studies.

Cargill's soluble rice flour is slightly higher in carbohydrates and generally lower in protein and moisture compared to commercial rice flour (see Table 10 of GRN). The increase in carbohydrates is primarily due to the increase in sugars as reflected by a dextrose equivalent of approximately 9-12 (see table 4 of GRN).

Question 7:

Cargill's soluble rice flour has a higher dextrose equivalent (DE) value of approximately 12.15 compared to that of native rice flour, which is 0.00. Please explain why the higher dextrose level present in soluble rice flour is not expected to adversely impact the health and safety in specific subpopulations, such as in diabetics.

Response:

The amount of sugars in the soluble rice flour is approximately 2 g/100g. The higher dextrose level in soluble rice flour compared to commercial flour will ultimately be reflected in the Nutrition Facts Table (as sugars) on any food product formulated with soluble rice flour. Therefore, subpopulations such as diabetics can identify the level of sugars present and avoid consumption as desired. It is worth noting that several of the proposed uses for soluble rice flour are in reduced-sugar food items and its use in these food categories should help lower sugar levels in these products.

Attachments

Table 7. Estimated daily intake for soluble rice flour (g/day)

Food Category	Number of Users	Percent Users	EDI per User (g/day)		EDI per Capita (g/day)	
			Mean	90 th Percentile	Mean	90 th Percentile
US Population, Ages 1+						
Total*	51245	99%	74.8	175	74.2	174
US Population, Ages 1-5						
Total*	6043	98%	49.1	110	48.2	109
US Population, Ages 6-18						
Total*	14367	99%	67.7	151	67.4	150
US Population, Ages 19+						
Total*	30835	99%	78.8	187	78.2	186

* Total values reflect intake from foods in any of the proposed food categories

Table 8. Estimated daily intake for soluble rice flour (g/kg bw/day)

Food Category	Number of Users	Percent Users	EDI per User (g/kg/day)		EDI per Capita (g/kg/day)	
			Mean	90 th Percentile	Mean	90 th Percentile
US Population, Ages 1+						
Total*	51245	99%	1.24	2.97	1.24	2.94
US Population, Ages 1-5						
Total*	6043	98%	3.06	7.03	3.01	6.94
US Population, Ages 6-18						
Total*	14367	99%	1.57	3.64	1.56	3.62
US Population, Ages 19+						
Total*	30835	99%	1.00	2.44	1.00	2.43

* Total values reflect intake from foods in any of the proposed food categories.

Estimated Daily Intake of Soluble Rice Flour

SEPTEMBER 22, 2020

ToxStrategies

Innovative solutions
Sound science

Estimated Daily Intake of Soluble Rice Flour

SEPTEMBER 22, 2020

PREPARED FOR:

Cargill, Inc.
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PREPARED BY:

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Appendix A List of Food Codes and Inferred Proportions

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Acronyms

ARS	Agricultural Research Service
CDC	Centers for Disease Control and Prevention
EDI	estimated daily intake
EPA	US Environmental Protection Agency
FCID	Food Commodity Intake Database
FNDDS	Food and Nutrient Database for Dietary Studies
g/kg BW/day	grams per kilogram body weight per day
NHANES	National Health and Nutrition Examination Survey
USDA	US Department of Agriculture
WWEIA	What We Eat in America

Executive Summary

ToxStrategies has conducted an intake assessment to estimate the mean and 90th percentile daily intake of the ingredient soluble rice flour based on its intended use in foods. This assessment included several proposed food categories for the use of soluble rice flour: bakery cookies and pastry, bakery reduced-fat cookies and pastry, ready-to-drink (RTD) beverages, RTD sport nutrition beverages, reduced-sugar cereals (ready-to-eat [RTE]) and cereal bars, candies, confectionery, dairy products and imitations of dairy products, dry-mix seasonings and blends, infant food cereal, infant food bakery, powdered beverage mixes, instant and prepared sauces, pourable and spoonable reduced-fat salad dressings, reduced-sugar snack-based fillings, reduced-fat mayonnaise, reduced-sugar ketchup/mustard, and other reduced-fat/sugar condiments in which soluble rice flour is intended to be used.

In reduced-sugar snack-based fillings, sauces, dry mix seasonings and blends, dairy products and imitations of dairy products, reduced-fat mayonnaise, reduced-sugar ketchup/mustard, and other reduced-fat/sugar condiments food categories, soluble rice flour was present only in the filling, sauce, seasoning and soup or broth, spread, and condiment components, respectively.

After calculating the proportions of these ingredients in selected foods using the Food and Nutrient Database for Dietary Studies (FNDDS), and analyzing dietary survey data from the National Health and Nutrition Examination Survey (NHANES), the total estimated daily intake (EDI) of the soluble rice flour was calculated. The *per user* mean and 90th percentile EDIs of the soluble rice flour for the US population ages 1 years and over were determined to be 74.77 and 174.89 g/day (1.25 and 2.97 g/kg body weight/day), respectively. The *per capita* mean and 90th percentile EDI of soluble rice flour for the US population ages 1 years and older were determined to be 74.19 and 173.96 g/day (1.24 and 2.94 g/kg body weight/day), respectively.

1 Data

To calculate the EDI of the soluble rice flour, information about its proposed uses in foods was combined with up-to-date, publicly available dietary intake survey data. Data sources are described in the following sections.

1.1 Proposed Uses and Use Levels of Soluble Rice Flour

Cargill, Inc, proposes to use soluble rice flour in various food categories according to Table 1.

Table 1. Proposed uses and use levels of soluble rice flour

Food Category	Maximum Proposed Use Level (% by mass)
Bakery cookies and pastry	5%
Bakery reduced-fat cookies and pastry	25%
RTD beverages	1%
RTD sport nutrition beverages	10%
Reduced-sugar cereals (RTE) and cereal bars	20%
Candies	10%
Confectionery	50%
Dairy and imitation dairy products	10%
Dry-mix seasoning and blends	25%
Infant food: cereals and porridges	20%
Infant food: bakery products	5%
Powdered beverage mixes	60%
Sauces, instant and prepared	5%
Salad dressing, pourable and spoonable (regular and reduced fat)	20%
Reduced-sugar snack-based fillings	20%
Reduced fat mayonnaise, reduced-sugar ketchup/mustard, and other reduced-fat/sugar condiments	5%
Carrier in flavor blends (to be used in seasonings, soup/broth, gravy, batter/breading mixes – dry mixes and prepared)	80%

*Soluble rice flour represents up to 80% of flavor blends; however, flavor blends will be used at a maximum of 2% in the listed foods (seasonings, etc.) resulting in an actual maximum proposed use level of 1.6%.

1.2 Dietary Survey Data

Dietary survey data were obtained from WWEIA, the dietary interview portion of the NHANES database. NHANES is carried out in two-year cycles (biennials) by the Centers for Disease Control and Prevention (CDC), to characterize the general health and nutritional status of children and adults across the US. The dietary intake survey portion of NHANES is a joint effort between CDC and the US Department of Agriculture (USDA). All NHANES biennials for which dietary intake data were available were included in the

present analysis (CDC, 2003-2004, 2005-2006, 2007-2008, 2009-2010, 2011-2012, 2013-2014, and 2015-2016).

WWEIA consists of two 24-hour dietary recall interviews. The first day of the WWEIA dietary questionnaire was administered in person, in conjunction with the participants' interviews and examinations for the other NHANES lifestyle and laboratory assessments. The second day of the survey was collected via a phone interview at some point 3–10 days after the first survey day. Respondents who provided complete records for both days were designated “reliable” by WWEIA; only these respondents were considered in this analysis.

NHANES also collects demographic and anthropometric information for each respondent, including age, sex, and body weight. These data can be linked to the WWEIA dietary intake data using a unique (but anonymous) ID number assigned to each NHANES respondent. Some respondents may be missing some information. To calculate intake on a per-kg-body-weight basis, only the “reliable” WWEIA respondents who also provided body-weight information were considered in this analysis.

NHANES uses a survey structure designed to produce a representative sample of the US population. Each respondent is assigned a sample weight, which can be interpreted as the number of people in the US population who are represented by that respondent in that biennial. When data from multiple biennials are combined, the sample weights must be adjusted by dividing each sample weight by the number of biennials being combined (NHANES, 2018).

Data collected during the dietary interview include a list of foods consumed by the participant, each encoded by a numerical “food code,” and the amount of each food that was eaten at each meal, in grams.

1.3 Proportion of Ingredients in Foods

Food codes were included in each of the use categories in Table 1 if they contained any component in that use category. For example, food code 27510950, “Reuben sandwich (corned beef sandwich with sauerkraut and cheese), with spread,” was included in the use category “Dairy and imitation dairy products,” because the “spread” component of this food code was part of this use category. However, WWEIA does not separately record the amounts consumed of individual food components; it only records the amount consumed of the whole food “as eaten.” In the example of the Reuben sandwich, WWEIA records only that a respondent consumed, for example, 200 grams of this food code. The amounts of the separate components—the beef, bread, sauerkraut, cheese, and spread—are not broken out. Therefore, when soluble rice flour is to be applied only to one component of a food, it is necessary to estimate the relevant proportion of that component in the food. In the Reuben sandwich, the 10% use level in the “Dairy and imitation dairy products” category should not be applied to the full 200 grams consumed; it should be applied only to the portion of that 200 grams that is composed of sandwich spread. If the sandwich were 16% spread by mass, then the amount of soluble rice flour consumed would be $200 \text{ g sandwich} * 16\% \text{ spread} * 10\% \text{ use level} = 3.2 \text{ g soluble rice flour}$.

Use categories in

Table 1 in which soluble rice flour is used in only one component of the food are listed in Table 2.

Table 2. Use categories from Table 1 in which soluble rice flour is used only in a component of the foods in each category

Use Category	Component in Which Soluble Rice Flour is Used
Reduced-sugar snack-based fillings	Filling
Sauces	Sauce
Dry mix seasonings and blends	Seasoning; dry/instant soup or broth
Dairy products and imitation dairy products	Spread
Reduced-fat mayonnaise, reduced-sugar ketchup/mustard, and other reduced-fat/sugar condiments	Condiment

For the foods in the use categories listed in Table 2, the proportion of the relevant component in each food code was obtained using the FNDDS Databases from 2001–2016.

FNDDS provides nutrient profiles, associated portions, and recipe calculations for foods and beverages specified in each WWEIA NHANES survey year. Recipes specify ingredients and their amounts, which were determined by USDA based on food-label data from USDA’s Branded Food Products Database (USDA, ARS et al., 2016), company websites, product preparation instructions, label ingredients, cookbooks, and recipe websites. An example of an FNDDS recipe report generated for WWEIA food code 27510950 (the Reuben sandwich) is shown in Table 3. The recipe breaks down the components of the sandwich, allowing the relevant proportion of spread to be calculated (see Section 2.3).

In

Table 3, “Food code” is the eight-digit WWEIA food code. “Seq num” is a number denoting the order of the ingredients within a food code, from highest-mass to lowest-mass. “Ingredient code” is a unique numerical code identifying the ingredient. “Ingredient description” describes each ingredient in words. “Ingredient weight” is the weight in grams of each ingredient in one standard portion of the food code, where a standard portion is defined in another portion of the FNDDS database. (Here, the exact size of the standard portion is not relevant, because the ingredient weights are used only to calculate proportions.)

Table 3. Example of FNDDS recipe report generated for WWEIA Food Code 27510950

Food Code	Seq Num	Ingredient Code	Ingredient Description	Ingredient Weight (g)
27510950	1	18060	Bread, rye	64
27510950	2	13347	Beef, cured, corned beef, brisket, cooked	56.7
27510950	3	11439	Sauerkraut, canned, solids and liquids	8.875
27510950	4	1040	Cheese, swiss	28.35
27510950	5	4017	Salad dressing, thousand island, commercial, regular	31.25

2 Methods

To estimate the intake of soluble rice flour from its proposed uses, ToxStrategies performed the following steps:

- Step 1: Identified WWEIA foods to which soluble rice flour may be applied.
- Step 2: Searched FNDDS database recipes for food codes in the categories listed in Table 2.
- Step 3: Using FNDDS recipes, calculated the proportion of relevant components in food codes in the categories listed in Table 2. For other food codes, the proportion is 1.
- Step 4: Calculated individual intake of soluble rice flour for individual NHANES respondents, using dietary intake data and the proportions calculated in Step 3.
- Step 5: Calculated population statistics estimating the intake of soluble rice flour.

Details of each step are provided in the following sections.

2.1 Identification of Foods and Their Components to Which Soluble Rice Flour May Be Added

To identify foods that are proposed to contain soluble rice flour, ToxStrategies performed a thorough search of food codes reported in WWEIA. Food code descriptions from

WWEIA were examined manually and flagged if they could be considered members of one or more of the food categories specified in

Table 1.

Cargill, Inc., specified a range of food codes for which soluble rice flour will be present in only one component of the foods. Food codes retained for further analysis are listed in the appendix.

2.2 Search of FNDDS Recipes for Identified Food Codes

The FNDDS database was downloaded from <https://www.ars.usda.gov/northeast-area/beltsville-md-bhnrc/beltsville-human-nutrition-research-center/food-surveys-research-group/docs/fndds-download-databases/>, and it was searched for the food codes identified in the previous step.

2.3 Calculation of Proportion

Once an FNDDS recipe was assigned to each food code, the recipe was used to calculate the relevant proportion in that food code.

To calculate the proportion of the relevant component, FNDDS ingredients included in the relevant component were identified. The ingredient weights of the relevant ingredients were summed to yield the weight of the relevant component. Then, the weight of the relevant component was divided by the total weight of all ingredients to yield the relevant proportion.

For example, food code 27510950, “Reuben sandwich (corned beef sandwich with sauerkraut and cheese), with spread,” was considered to be part of the “Dairy and imitation dairy products” food category. In this food category, soluble rice flour will be present only in the spread component of the food. From

Table 3, the FNDDS ingredient corresponding to the “spread” component was identified as “Salad dressing, thousand island, commercial, regular.” The weight of this ingredient was divided by the total weight of all ingredients to yield the relevant proportion.

$$Proportion_{spread} = \frac{31.25}{64 + 56.7 + 8.875 + 28.35 + 31.25} = 0.1652$$

2.4 Calculation of Individual Intake of Soluble Rice Flour for Individual Survey Participants

NHANES WWEIA dietary intake data from 2003–2016 were filtered to include only respondents designated “reliable” (with both days of the survey completed) who also reported body-weight data. Both days of the NHANES WWEIA dietary interviews from each biennial were analyzed.

Participants’ consumption of the soluble rice flour was averaged over the two response days [i.e., (Day1 consumption + Day2 consumption)/2]. Consumption of soluble rice flour was calculated using the grams of the relevant food consumed as reported in NHANES, multiplied by the relevant proportion of the food in which soluble rice flour will be present, and then multiplied by the maximum proposed use level of soluble rice flour in that food. For example, for the food code 27510950, “Reuben sandwich (corned beef sandwich with sauerkraut and cheese), with spread” (in category “Dairy and imitation dairy products”), the relevant proportion of the food was 0.1652, and the maximum proposed use level was 10%. Thus, a survey participant who consumed 100 g of this food on Day 1, and 200 g of this food on Day 2, would consume 2.478 g per day of soluble rice flour, as detailed in the equation.

$$Consumption_{27510950} = \frac{100 + 200}{2} \times 0.1652 \times 0.1 = 2.478g$$

Individual intake of soluble rice flour was also calculated as grams per kg body weight per day, by dividing the calculated intake in grams by the respondent’s individual reported body weight. For example, if the hypothetical respondent in the previous example weighed 82 kg, their intake of soluble rice flour would be 2.478 g per day / 82 kg = 0.03 g/kg body weight/day of soluble rice flour from consumption of food code 27510950.

2.5 Calculation of Population Statistics Describing Soluble Rice Flour Estimated Daily Intake

All NHANES biennials for which dietary intake data were available were included in this analysis (2003-2004, 2005-2006, 2007-2008, 2009-2010, 2011-2012, 2013-2014, and 2015-2016). The dietary and sample weighting data from all biennials were combined according to the NHANES analytic guidelines for combining surveys (NHANES, 2018). From the combined data set, descriptive statistics (mean and 90th percentile) were estimated for the population intake of soluble rice flour per day. Statistics were calculated, properly accounting for sample weighting, using the “survey” package version 3.36 (Lumley, 2004)

in the R (version 3.6.1) environment for statistical computing (R Core Team, 2019). Mean and 90th percentile intakes were calculated on the basis of both grams per day and grams per kg body weight per day. Statistics were calculated both for the subset of the population with non-zero consumption of food codes on the selected list (consumers only) and for the entire population (per capita).

3 Results

Tables 4 and 5, below, respectively present the EDIs for soluble rice flour in grams per day and grams per kilogram body weight per day for the following age groups in the US population: 1 years and older, 1 to 5 years, 6 to 18 years, and 19 years and older. The “number of users” refers to the number of survey participants in a given age group who consumed a food item in a given food category. The “percent users” is the percentage of soluble rice flour users out of the total number of reliable survey participants (users and non-users) belonging to a given age group. Intake is provided for each of the food categories listed in

Table 1. “Total” values include users who consumed foods in any of the proposed food categories. **Note that the “Total” values are not simple sums of the values listed above them.**

When the 90th percentile *per capita* EDI is reported as 0.00E+00 for a category, it means that more than 90% of respondents did not report consuming any foods in this category.

Table 4. Estimated daily intake for soluble rice flour (g/day)

Food Category	Number of Users	Percent Users	EDI per User (g/day)		EDI per Capita (g/day)	
			Mean	90th Percentile	Mean	90th Percentile
US Population, Ages 1+						
Reduced fat mayonnaise, reduced-sugar ketchup/mustard and other reduced-fat/sugar condiments	1865	3.61E-02	4.34E-01	8.81E-01	1.89E-02	0.00E+00
Dry mix seasoning and blends	551	1.07E-02	3.57E+01	7.06E+01	2.97E-01	0.00E+00
Bakery cookies and pastry	26258	5.08E-01	2.51E+00	5.51E+00	1.27E+00	3.75E+00
Bakery reduced-fat cookies and pastry	1524	2.95E-02	1.98E+01	5.51E+01	5.84E-01	0.00E+00
RTD sport nutrition beverages	4109	7.95E-02	3.90E+01	7.44E+01	3.11E+00	0.00E+00
RTD beverages	27776	5.38E-01	3.99E+00	8.68E+00	2.02E+00	5.80E+00
Reduced-sugar cereals (RTE) and cereal bars	24110	4.67E-01	7.87E+00	1.51E+01	3.63E+00	1.09E+01
Candies	17885	3.46E-01	2.44E+00	5.30E+00	8.52E-01	2.70E+00
Confectionary	17060	3.30E-01	2.51E+01	5.65E+01	8.78E+00	2.88E+01
Dairy and imitation of dairy products	39225	7.59E-01	1.12E+01	2.74E+01	8.84E+00	2.48E+01
Infant food: cereal	223	4.32E-03	5.27E+00	1.23E+01	1.01E-02	0.00E+00

Food Category	Number of Users	Percent Users	EDI per User (g/day)		EDI per Capita (g/day)	
			Mean	90th Percentile	Mean	90th Percentile
Infant food: bakery	144	2.79E-03	4.10E-01	8.00E-01	6.53E-04	0.00E+00
Powdered beverage mix	13127	2.54E-01	1.75E+02	3.84E+02	3.96E+01	1.36E+02
Sauces, instant and prepared	25254	4.89E-01	3.89E+00	8.75E+00	1.94E+00	6.05E+00
Reduced-fat salad dressing, pourable and spoonable	23364	4.52E-01	7.41E+00	2.06E+01	3.76E+00	1.19E+01
Reduced-sugar snack-based fillings	12280	2.38E-01	8.16E+00	1.70E+01	2.02E+00	7.40E+00
Carrier in flavor blends	22309	4.32E-01	4.84E+00	1.09E+01	2.02E+00	6.99E+00
Total	51245	9.92E-01	7.48E+01	1.75E+02	7.42E+01	1.74E+02
US Population, Ages 1–5						
Reduced fat mayonnaise, reduced-sugar ketchup/mustard and other reduced-fat/sugar condiments	122	1.98E-02	1.74E-01	4.02E-01	3.50E-03	0.00E+00
Dry mix seasoning and blends	92	1.49E-02	2.58E+01	5.07E+01	2.55E-01	0.00E+00
Bakery cookies and pastry	3691	5.98E-01	1.44E+00	3.05E+00	9.06E-01	2.43E+00
Bakery reduced-fat cookies and pastry	186	3.02E-02	6.93E+00	1.80E+01	2.18E-01	0.00E+00
RTD sport nutrition beverages	387	6.27E-02	2.03E+01	4.14E+01	1.24E+00	0.00E+00
RTD beverages	4505	7.30E-01	2.43E+00	4.88E+00	1.71E+00	4.19E+00
Reduced-sugar cereals (RTE) and cereal bars	4222	6.84E-01	4.73E+00	9.28E+00	3.27E+00	7.97E+00
Candies	2619	4.25E-01	1.76E+00	3.50E+00	7.88E-01	2.42E+00
Confectionary	2062	3.34E-01	1.58E+01	3.34E+01	5.71E+00	1.88E+01

Food Category	Number of Users	Percent Users	EDI per User (g/day)		EDI per Capita (g/day)	
			Mean	90th Percentile	Mean	90th Percentile
Dairy and imitation of dairy products	4400	7.13E-01	1.37E+01	3.43E+01	1.02E+01	2.90E+01
Infant food: cereal	218	3.53E-02	5.46E+00	1.24E+01	1.48E-01	0.00E+00
Infant food: bakery	139	2.25E-02	4.12E-01	7.61E-01	9.44E-03	0.00E+00
Powdered beverage mix	1450	2.35E-01	9.88E+01	2.20E+02	2.23E+01	7.50E+01
Sauces, instant and prepared	2864	4.64E-01	2.87E+00	6.25E+00	1.34E+00	4.25E+00
Reduced-fat salad dressing, pourable and spoonable	1625	2.63E-01	2.93E+00	7.70E+00	7.79E-01	1.56E+00
Reduced-sugar snack-based fillings	1659	2.69E-01	4.76E+00	9.46E+00	1.41E+00	4.50E+00
Carrier in flavor blends	2664	4.32E-01	3.32E+00	7.88E+00	1.27E+00	4.44E+00
Total	6043	9.80E-01	4.91E+01	1.10E+02	4.82E+01	1.09E+02
US Population, Ages 6–18						
Reduced fat mayonnaise, reduced-sugar ketchup/mustard and other reduced-fat/sugar condiments	425	2.95E-02	3.50E-01	7.80E-01	1.20E-02	0.00E+00
Dry mix seasoning and blends	183	1.27E-02	3.05E+01	6.56E+01	3.06E-01	0.00E+00
Bakery cookies and pastry	7970	5.53E-01	2.46E+00	5.40E+00	1.41E+00	3.93E+00
Bakery reduced-fat cookies and pastry	468	3.25E-02	1.59E+01	3.67E+01	5.70E-01	0.00E+00
RTD sport nutrition beverages	1645	1.14E-01	3.58E+01	6.56E+01	4.65E+00	1.53E+01
RTD beverages	8890	6.17E-01	2.78E+00	5.44E+00	1.62E+00	4.35E+00

Food Category	Number of Users	Percent Users	EDI per User (g/day)		EDI per Capita (g/day)	
			Mean	90th Percentile	Mean	90th Percentile
Reduced-sugar cereals (RTE) and cereal bars	8304	5.76E-01	7.48E+00	1.44E+01	4.43E+00	1.17E+01
Candies	5951	4.13E-01	2.66E+00	6.03E+00	1.12E+00	3.29E+00
Confectionary	4976	3.45E-01	2.32E+01	5.08E+01	8.80E+00	2.83E+01
Dairy and imitation of dairy products	11020	7.65E-01	1.45E+01	3.37E+01	1.13E+01	2.95E+01
Infant food: cereal	2	1.39E-04	1.90E+00	1.90E+00	5.37E-04	0.00E+00
Infant food: bakery	3	2.08E-04	1.60E-01	1.60E-01	3.31E-05	0.00E+00
Powdered beverage mix	3395	2.36E-01	1.37E+02	2.98E+02	2.95E+01	1.03E+02
Sauces, instant and prepared	6933	4.81E-01	4.11E+00	8.98E+00	1.98E+00	6.23E+00
Reduced-fat salad dressing, pourable and spoonable	5752	3.99E-01	6.81E+00	2.15E+01	2.69E+00	7.93E+00
Reduced-sugar snack-based fillings	3588	2.49E-01	7.70E+00	1.54E+01	2.05E+00	7.50E+00
Carrier in flavor blends	6141	4.26E-01	4.38E+00	1.01E+01	1.79E+00	6.47E+00
Total	14367	9.97E-01	6.77E+01	1.51E+02	6.74E+01	1.50E+02
US Population, Ages 19+						
Reduced fat mayonnaise, reduced-sugar ketchup/mustard and other reduced-fat/sugar condiments	1318	4.24E-02	4.59E-01	9.69E-01	2.20E-02	0.00E+00
Dry mix seasoning and blends	276	8.88E-03	3.84E+01	7.55E+01	2.99E-01	0.00E+00
Bakery cookies and pastry	14597	4.70E-01	2.66E+00	5.77E+00	1.27E+00	3.78E+00
Bakery reduced-fat cookies and pastry	870	2.80E-02	2.24E+01	5.71E+01	6.20E-01	0.00E+00

Food Category	Number of Users	Percent Users	EDI per User (g/day)		EDI per Capita (g/day)	
			Mean	90th Percentile	Mean	90th Percentile
RTD sport nutrition beverages	2077	6.68E-02	4.20E+01	8.68E+01	2.90E+00	0.00E+00
RTD beverages	14381	4.63E-01	4.57E+00	1.00E+01	2.14E+00	6.51E+00
Reduced-sugar cereals (RTE) and cereal bars	11584	3.73E-01	8.48E+00	1.62E+01	3.47E+00	1.09E+01
Candies	9315	3.00E-01	2.45E+00	5.39E+00	7.91E-01	2.59E+00
Confectionary	10022	3.22E-01	2.64E+01	5.88E+01	9.05E+00	3.06E+01
Dairy and imitation of dairy products	23805	7.66E-01	1.02E+01	2.54E+01	8.11E+00	2.27E+01
Infant food: cereal	3	9.65E-05	1.10E+00	1.13E+00	5.73E-05	0.00E+00
Infant food: bakery	2	6.43E-05	1.06E+00	1.08E+00	1.15E-05	0.00E+00
Powdered beverage mix	8282	2.66E-01	1.91E+02	4.26E+02	4.36E+01	1.48E+02
Sauces, instant and prepared	15457	4.97E-01	3.92E+00	8.84E+00	1.99E+00	6.14E+00
Reduced-fat salad dressing, pourable and spoonable	15987	5.14E-01	7.71E+00	2.08E+01	4.29E+00	1.37E+01
Reduced-sugar snack-based fillings	7033	2.26E-01	8.67E+00	1.79E+01	2.07E+00	7.50E+00
Carrier in flavor blends	13504	4.34E-01	5.07E+00	1.16E+01	2.14E+00	7.19E+00
Total	30835	9.92E-01	7.88E+01	1.87E+02	7.82E+01	1.86E+02

Table 5. Estimated daily intake for soluble rice flour (g/kg BW/day)

Food Category	Number of Users	Percent Users	EDI per User (g/kg/day)		EDI per Capita (g/kg/day)	
			Mean	90th Percentile	Mean	90th Percentile
US Population, Ages 1+						
Reduced fat mayonnaise, reduced-sugar ketchup/mustard and other reduced-fat/sugar condiments	1865	3.61E-02	6.20E-03	1.27E-02	2.70E-04	0.00E+00
Dry mix seasoning and blends	551	1.07E-02	6.70E-01	1.59E+00	5.58E-03	0.00E+00
Bakery cookies and pastry	26258	5.08E-01	4.40E-02	9.96E-02	2.23E-02	6.51E-02
Bakery reduced-fat cookies and pastry	1524	2.95E-02	3.13E-01	7.49E-01	9.22E-03	0.00E+00
RTD sport nutrition beverages	4109	7.95E-02	6.29E-01	1.27E+00	5.00E-02	0.00E+00
RTD beverages	27776	5.38E-01	6.71E-02	1.45E-01	3.39E-02	9.80E-02
Reduced-sugar cereals (RTE) and cereal bars	24110	4.67E-01	1.46E-01	3.02E-01	6.73E-02	1.99E-01
Candies	17885	3.46E-01	4.56E-02	1.03E-01	1.59E-02	4.61E-02
Confectionary	17060	3.30E-01	4.29E-01	9.50E-01	1.50E-01	4.79E-01
Dairy and imitation of dairy products	39225	7.59E-01	2.23E-01	5.27E-01	1.75E-01	4.45E-01
Infant food: cereal	223	4.32E-03	4.73E-01	1.10E+00	9.08E-04	0.00E+00
Infant food: bakery	144	2.79E-03	3.62E-02	6.41E-02	5.76E-05	0.00E+00
Powdered beverage mix	13127	2.54E-01	2.78E+00	6.01E+00	6.28E-01	2.04E+00
Sauces, instant and prepared	25254	4.89E-01	6.59E-02	1.49E-01	3.29E-02	9.72E-02
Reduced-fat salad dressing, pourable and spoonable	23364	4.52E-01	1.05E-01	2.81E-01	5.34E-02	1.66E-01

Food Category	Number of Users	Percent Users	EDI per User (g/kg/day)		EDI per Capita (g/kg/day)	
			Mean	90th Percentile	Mean	90th Percentile
Reduced-sugar snack-based fillings	12280	2.38E-01	1.40E-01	2.96E-01	3.48E-02	1.16E-01
Carrier in flavor blends	22309	4.32E-01	8.19E-02	1.93E-01	3.42E-02	1.05E-01
Total	51245	9.92E-01	1.24E+00	2.97E+00	1.24E+00	2.94E+00
US Population, Ages 1–5						
Reduced fat mayonnaise, reduced-sugar ketchup/mustard and other reduced-fat/sugar condiments	122	1.98E-02	9.80E-03	1.86E-02	1.97E-04	0.00E+00
Dry mix seasoning and blends	92	1.49E-02	1.62E+00	3.14E+00	1.60E-02	0.00E+00
Bakery cookies and pastry	3691	5.98E-01	9.17E-02	1.91E-01	5.76E-02	1.52E-01
Bakery reduced-fat cookies and pastry	186	3.02E-02	4.84E-01	1.41E+00	1.52E-02	0.00E+00
RTD sport nutrition beverages	387	6.27E-02	1.38E+00	2.55E+00	8.43E-02	0.00E+00
RTD beverages	4505	7.30E-01	1.59E-01	3.30E-01	1.12E-01	2.73E-01
Reduced-sugar cereals (RTE) and cereal bars	4222	6.84E-01	2.99E-01	5.78E-01	2.06E-01	5.04E-01
Candies	2619	4.25E-01	1.09E-01	2.18E-01	4.87E-02	1.45E-01
Confectionary	2062	3.34E-01	9.71E-01	2.13E+00	3.50E-01	1.11E+00
Dairy and imitation of dairy products	4400	7.13E-01	8.65E-01	2.02E+00	6.47E-01	1.71E+00
Infant food: cereal	218	3.53E-02	4.94E-01	1.15E+00	1.34E-02	0.00E+00
Infant food: bakery	139	2.25E-02	3.71E-02	6.42E-02	8.50E-04	0.00E+00
Powdered beverage mix	1450	2.35E-01	6.04E+00	1.39E+01	1.36E+00	4.41E+00
Sauces, instant and prepared	2864	4.64E-01	1.87E-01	4.06E-01	8.72E-02	2.78E-01

Food Category	Number of Users	Percent Users	EDI per User (g/kg/day)		EDI per Capita (g/kg/day)	
			Mean	90th Percentile	Mean	90th Percentile
Reduced-fat salad dressing, pourable and spoonable	1625	2.63E-01	1.77E-01	4.67E-01	4.71E-02	1.03E-01
Reduced-sugar snack-based fillings	1659	2.69E-01	2.93E-01	5.65E-01	8.64E-02	2.94E-01
Carrier in flavor blends	2664	4.32E-01	2.16E-01	5.05E-01	8.24E-02	2.88E-01
Total	6043	9.80E-01	3.06E+00	7.03E+00	3.01E+00	6.94E+00
US Population, Ages 6–18						
Reduced fat mayonnaise, reduced-sugar ketchup/mustard and other reduced-fat/sugar condiments	425	2.95E-02	7.41E-03	1.34E-02	2.53E-04	0.00E+00
Dry mix seasoning and blends	183	1.27E-02	6.62E-01	1.41E+00	6.64E-03	0.00E+00
Bakery cookies and pastry	7970	5.53E-01	5.88E-02	1.35E-01	3.38E-02	9.80E-02
Bakery reduced-fat cookies and pastry	468	3.25E-02	3.60E-01	8.34E-01	1.29E-02	0.00E+00
RTD sport nutrition beverages	1645	1.14E-01	7.18E-01	1.40E+00	9.31E-02	3.06E-01
RTD beverages	8890	6.17E-01	6.47E-02	1.33E-01	3.77E-02	1.04E-01
Reduced-sugar cereals (RTE) and cereal bars	8304	5.76E-01	1.80E-01	3.55E-01	1.07E-01	2.84E-01
Candies	5951	4.13E-01	6.39E-02	1.47E-01	2.70E-02	7.91E-02
Confectionary	4976	3.45E-01	5.74E-01	1.25E+00	2.17E-01	6.95E-01
Dairy and imitation of dairy products	11020	7.65E-01	3.67E-01	8.82E-01	2.86E-01	7.74E-01
Infant food: cereal	2	1.39E-04	7.09E-02	7.35E-02	2.01E-05	0.00E+00
Infant food: bakery	3	2.08E-04	2.37E-03	1.97E-03	4.90E-07	0.00E+00

Food Category	Number of Users	Percent Users	EDI per User (g/kg/day)		EDI per Capita (g/kg/day)	
			Mean	90th Percentile	Mean	90th Percentile
Powdered beverage mix	3395	2.36E-01	3.10E+00	6.56E+00	6.67E-01	2.31E+00
Sauces, instant and prepared	6933	4.81E-01	9.19E-02	2.06E-01	4.42E-02	1.41E-01
Reduced-fat salad dressing, pourable and spoonable	5752	3.99E-01	1.36E-01	3.69E-01	5.36E-02	1.70E-01
Reduced-sugar snack-based fillings	3588	2.49E-01	1.87E-01	3.76E-01	4.98E-02	1.66E-01
Carrier in flavor blends	6141	4.26E-01	1.01E-01	2.51E-01	4.10E-02	1.35E-01
Total	14367	9.97E-01	1.57E+00	3.64E+00	1.56E+00	3.62E+00
US Population, Ages 19+						
Reduced fat mayonnaise, reduced-sugar ketchup/mustard and other reduced-fat/sugar condiments	1318	4.24E-02	5.86E-03	1.24E-02	2.81E-04	0.00E+00
Dry mix seasoning and blends	276	8.88E-03	5.64E-01	1.09E+00	4.39E-03	0.00E+00
Bakery cookies and pastry	14597	4.70E-01	3.40E-02	7.46E-02	1.63E-02	4.85E-02
Bakery reduced-fat cookies and pastry	870	2.80E-02	2.81E-01	7.29E-01	7.79E-03	0.00E+00
RTD sport nutrition beverages	2077	6.68E-02	5.28E-01	1.02E+00	3.64E-02	0.00E+00
RTD beverages	14381	4.63E-01	5.54E-02	1.18E-01	2.60E-02	7.90E-02
Reduced-sugar cereals (RTE) and cereal bars	11584	3.73E-01	1.10E-01	2.16E-01	4.51E-02	1.39E-01
Candies	9315	3.00E-01	3.18E-02	6.93E-02	1.03E-02	3.28E-02
Confectionary	10022	3.22E-01	3.39E-01	7.52E-01	1.16E-01	3.88E-01
Dairy and imitation of dairy products	23805	7.66E-01	1.33E-01	3.34E-01	1.06E-01	2.91E-01

Food Category	Number of Users	Percent Users	EDI per User (g/kg/day)		EDI per Capita (g/kg/day)	
			Mean	90th Percentile	Mean	90th Percentile
Infant food: cereal	3	9.65E-05	1.99E-02	2.09E-02	1.03E-06	0.00E+00
Infant food: bakery	2	6.43E-05	1.60E-02	1.67E-02	1.72E-07	0.00E+00
Powdered beverage mix	8282	2.66E-01	2.41E+00	5.29E+00	5.52E-01	1.85E+00
Sauces, instant and prepared	15457	4.97E-01	4.98E-02	1.14E-01	2.53E-02	7.86E-02
Reduced-fat salad dressing, pourable and spoonable	15987	5.14E-01	9.67E-02	2.61E-01	5.39E-02	1.69E-01
Reduced-sugar snack-based fillings	7033	2.26E-01	1.11E-01	2.33E-01	2.64E-02	9.30E-02
Carrier in flavor blends	13504	4.34E-01	6.66E-02	1.51E-01	2.81E-02	9.21E-02
Total	30835	9.92E-01	1.00E+00	2.44E+00	9.96E-01	2.43E+00

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APPENDIX A

**List of Food Codes and
Inferred Proportions**

food_code	proportion	Use_level	use
12350020	1	0.05	Reduced fat mayonnaise, reduced-sugar ketchup/mustard and other reduced-fat/sugar condiments
12350205	1	0.05	Reduced fat mayonnaise, reduced-sugar ketchup/mustard and other reduced-fat/sugar condiments
12350215	1	0.05	Reduced fat mayonnaise, reduced-sugar ketchup/mustard and other reduced-fat/sugar condiments
12350225	1	0.05	Reduced fat mayonnaise, reduced-sugar ketchup/mustard and other reduced-fat/sugar condiments
12350235	1	0.05	Reduced fat mayonnaise, reduced-sugar ketchup/mustard and other reduced-fat/sugar condiments
12350245	1	0.05	Reduced fat mayonnaise, reduced-sugar ketchup/mustard and other reduced-fat/sugar condiments
12350255	1	0.05	Reduced fat mayonnaise, reduced-sugar ketchup/mustard and other reduced-fat/sugar condiments
27446225	0.221351164	0.05	Reduced fat mayonnaise, reduced-sugar ketchup/mustard and other reduced-fat/sugar condiments
27446235	0.221351164	0.05	Reduced fat mayonnaise, reduced-sugar ketchup/mustard and other reduced-fat/sugar condiments
27450061	0.218928164	0.05	Reduced fat mayonnaise, reduced-sugar ketchup/mustard and other reduced-fat/sugar condiments
27450063	0.274800456	0.05	Reduced fat mayonnaise, reduced-sugar ketchup/mustard and other reduced-fat/sugar condiments
28143220	0	0.05	Reduced fat mayonnaise, reduced-sugar ketchup/mustard and other reduced-fat/sugar condiments
32103015	0.209681985	0.05	Reduced fat mayonnaise, reduced-sugar ketchup/mustard and other reduced-fat/sugar condiments
32103025	0.209681985	0.05	Reduced fat mayonnaise, reduced-sugar ketchup/mustard and other reduced-fat/sugar condiments
58148111	0.155465587	0.05	Reduced fat mayonnaise, reduced-sugar ketchup/mustard and other reduced-fat/sugar condiments
58148113	0.155465587	0.05	Reduced fat mayonnaise, reduced-sugar ketchup/mustard and other reduced-fat/sugar condiments
71601015	0.139812558	0.05	Reduced fat mayonnaise, reduced-sugar ketchup/mustard and other reduced-fat/sugar condiments
71601025	0.139812558	0.05	Reduced fat mayonnaise, reduced-sugar ketchup/mustard and other reduced-fat/sugar condiments
71603015	0.158250384	0.05	Reduced fat mayonnaise, reduced-sugar ketchup/mustard and other reduced-fat/sugar condiments
71603025	0.158250384	0.05	Reduced fat mayonnaise, reduced-sugar ketchup/mustard and other reduced-fat/sugar condiments
81312000	1	0.05	Reduced fat mayonnaise, reduced-sugar ketchup/mustard and other reduced-fat/sugar condiments
83201400	1	0.05	Reduced fat mayonnaise, reduced-sugar ketchup/mustard and other reduced-fat/sugar condiments
83203250	1	0.05	Reduced fat mayonnaise, reduced-sugar ketchup/mustard and other reduced-fat/sugar condiments
83204000	1	0.05	Reduced fat mayonnaise, reduced-sugar ketchup/mustard and other reduced-fat/sugar condiments
83204010	1	0.05	Reduced fat mayonnaise, reduced-sugar ketchup/mustard and other reduced-fat/sugar condiments
83204020	1	0.05	Reduced fat mayonnaise, reduced-sugar ketchup/mustard and other reduced-fat/sugar condiments
83204030	1	0.05	Reduced fat mayonnaise, reduced-sugar ketchup/mustard and other reduced-fat/sugar condiments
83204050	1	0.05	Reduced fat mayonnaise, reduced-sugar ketchup/mustard and other reduced-fat/sugar condiments
83204060	1	0.05	Reduced fat mayonnaise, reduced-sugar ketchup/mustard and other reduced-fat/sugar condiments
83204500	1	0.05	Reduced fat mayonnaise, reduced-sugar ketchup/mustard and other reduced-fat/sugar condiments
83300700	1	0.05	Reduced fat mayonnaise, reduced-sugar ketchup/mustard and other reduced-fat/sugar condiments
91306025	1	0.05	Reduced fat mayonnaise, reduced-sugar ketchup/mustard and other reduced-fat/sugar condiments
28310130	1	0.25	Dry mix seasoning and blends
28310140	1	0.25	Dry mix seasoning and blends

28340140	1	0.25	Dry mix seasoning and blends
41602040	1	0.25	Dry mix seasoning and blends
58101800	0.084435344	0.25	Dry mix seasoning and blends
58101820	0.081126386	0.25	Dry mix seasoning and blends
58101830	0.110831185	0.25	Dry mix seasoning and blends
58407000	1	0.25	Dry mix seasoning and blends
58407010	1	0.25	Dry mix seasoning and blends
58407040	1	0.25	Dry mix seasoning and blends
58407050	1	0.25	Dry mix seasoning and blends
58421000	1	0.25	Dry mix seasoning and blends
58421060	1	0.25	Dry mix seasoning and blends
71801040	0.08	0.25	Dry mix seasoning and blends
75605030	1	0.25	Dry mix seasoning and blends
75607130	1	0.25	Dry mix seasoning and blends
75608200	1	0.25	Dry mix seasoning and blends
75608300	1	0.25	Dry mix seasoning and blends
75609030	1	0.25	Dry mix seasoning and blends
75649050	1	0.25	Dry mix seasoning and blends
75649060	1	0.25	Dry mix seasoning and blends
75649070	1	0.25	Dry mix seasoning and blends
75649100	1	0.25	Dry mix seasoning and blends
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13120550	1	0.05	Bakery cookies and pastry
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13130700	1	0.05	Bakery cookies and pastry
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13135010	1	0.05	Bakery cookies and pastry
13136000	1	0.05	Bakery cookies and pastry
13241000	1	0.05	Bakery cookies and pastry
27317010	1	0.05	Bakery cookies and pastry
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53451000	1	0.05 Bakery cookies and pastry
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53610100	1	0.05 Bakery cookies and pastry
53610120	1	0.05 Bakery cookies and pastry
53610170	1	0.05 Bakery cookies and pastry
53610200	1	0.05 Bakery cookies and pastry
53610250	1	0.05 Bakery cookies and pastry
53803050	1	0.05 Bakery cookies and pastry
53803100	1	0.05 Bakery cookies and pastry
53803250	1	0.05 Bakery cookies and pastry
53803300	1	0.05 Bakery cookies and pastry
54101010	1	0.05 Bakery cookies and pastry
54102010	1	0.05 Bakery cookies and pastry
54102015	1	0.05 Bakery cookies and pastry
54102020	1	0.05 Bakery cookies and pastry
54102050	1	0.05 Bakery cookies and pastry
54102060	1	0.05 Bakery cookies and pastry
54102070	1	0.05 Bakery cookies and pastry
54102080	1	0.05 Bakery cookies and pastry
54102200	1	0.05 Bakery cookies and pastry
54103000	1	0.05 Bakery cookies and pastry
55801000	1	0.05 Bakery cookies and pastry
55801010	1	0.05 Bakery cookies and pastry
58116110	1	0.05 Bakery cookies and pastry
58116115	1	0.05 Bakery cookies and pastry
58116120	1	0.05 Bakery cookies and pastry
58116130	1	0.05 Bakery cookies and pastry
58116210	1	0.05 Bakery cookies and pastry
58116310	1	0.05 Bakery cookies and pastry
58122310	1	0.05 Bakery cookies and pastry
58122320	1	0.05 Bakery cookies and pastry
58122330	1	0.05 Bakery cookies and pastry
58123110	1	0.05 Bakery cookies and pastry

58123120	1	0.05 Bakery cookies and pastry
58124210	1	0.05 Bakery cookies and pastry
58124220	1	0.05 Bakery cookies and pastry
58124230	1	0.05 Bakery cookies and pastry
58124250	1	0.05 Bakery cookies and pastry
58124500	1	0.05 Bakery cookies and pastry
58125110	1	0.05 Bakery cookies and pastry
58125120	1	0.05 Bakery cookies and pastry
58125180	1	0.05 Bakery cookies and pastry
58126000	1	0.05 Bakery cookies and pastry
58126110	1	0.05 Bakery cookies and pastry
58126120	1	0.05 Bakery cookies and pastry
58126130	1	0.05 Bakery cookies and pastry
58126140	1	0.05 Bakery cookies and pastry
58126150	1	0.05 Bakery cookies and pastry
58126160	1	0.05 Bakery cookies and pastry
58126170	1	0.05 Bakery cookies and pastry
58126180	1	0.05 Bakery cookies and pastry
58126270	1	0.05 Bakery cookies and pastry
58126280	1	0.05 Bakery cookies and pastry
58126290	1	0.05 Bakery cookies and pastry
58126310	1	0.05 Bakery cookies and pastry
58126400	1	0.05 Bakery cookies and pastry
58127110	1	0.05 Bakery cookies and pastry
58127150	1	0.05 Bakery cookies and pastry
58127200	1	0.05 Bakery cookies and pastry
58127210	1	0.05 Bakery cookies and pastry
58127220	1	0.05 Bakery cookies and pastry
58127270	1	0.05 Bakery cookies and pastry
58127290	1	0.05 Bakery cookies and pastry
58127310	1	0.05 Bakery cookies and pastry
58127330	1	0.05 Bakery cookies and pastry
58127350	1	0.05 Bakery cookies and pastry
58155610	1	0.05 Bakery cookies and pastry
91703200	1	0.05 Bakery cookies and pastry

91703250	1	0.05 Bakery cookies and pastry
91703300	1	0.05 Bakery cookies and pastry
27311510	1	0.25 Bakery reduced-fat cookies and pastry
27317010	1	0.25 Bakery reduced-fat cookies and pastry
27320020	1	0.25 Bakery reduced-fat cookies and pastry
27330010	1	0.25 Bakery reduced-fat cookies and pastry
27347100	1	0.25 Bakery reduced-fat cookies and pastry
27350070	1	0.25 Bakery reduced-fat cookies and pastry
27350200	1	0.25 Bakery reduced-fat cookies and pastry
27360050	1	0.25 Bakery reduced-fat cookies and pastry
41812400	1	0.25 Bakery reduced-fat cookies and pastry
42502100	1	0.25 Bakery reduced-fat cookies and pastry
52207010	1	0.25 Bakery reduced-fat cookies and pastry
52308010	1	0.25 Bakery reduced-fat cookies and pastry
53108220	1	0.25 Bakery reduced-fat cookies and pastry
53109220	1	0.25 Bakery reduced-fat cookies and pastry
53204830	1	0.25 Bakery reduced-fat cookies and pastry
53204840	1	0.25 Bakery reduced-fat cookies and pastry
53204850	1	0.25 Bakery reduced-fat cookies and pastry
53204860	1	0.25 Bakery reduced-fat cookies and pastry
53206030	1	0.25 Bakery reduced-fat cookies and pastry
53207020	1	0.25 Bakery reduced-fat cookies and pastry
53207050	1	0.25 Bakery reduced-fat cookies and pastry
53209020	1	0.25 Bakery reduced-fat cookies and pastry
53220010	1	0.25 Bakery reduced-fat cookies and pastry
53220040	1	0.25 Bakery reduced-fat cookies and pastry
53233030	1	0.25 Bakery reduced-fat cookies and pastry
53233040	1	0.25 Bakery reduced-fat cookies and pastry
53239010	1	0.25 Bakery reduced-fat cookies and pastry
53243050	1	0.25 Bakery reduced-fat cookies and pastry
53247050	1	0.25 Bakery reduced-fat cookies and pastry
53260150	1	0.25 Bakery reduced-fat cookies and pastry
53260200	1	0.25 Bakery reduced-fat cookies and pastry
53530010	1	0.25 Bakery reduced-fat cookies and pastry
54102100	1	0.25 Bakery reduced-fat cookies and pastry

54102110	1	0.25 Bakery reduced-fat cookies and pastry
58126300	1	0.25 Bakery reduced-fat cookies and pastry
58126410	1	0.25 Bakery reduced-fat cookies and pastry
75411020	1	0.25 Bakery reduced-fat cookies and pastry
77121110	1	0.25 Bakery reduced-fat cookies and pastry
77141010	1	0.25 Bakery reduced-fat cookies and pastry
77205110	1	0.25 Bakery reduced-fat cookies and pastry
77205610	1	0.25 Bakery reduced-fat cookies and pastry
77230210	1	0.25 Bakery reduced-fat cookies and pastry
77230510	1	0.25 Bakery reduced-fat cookies and pastry
77250110	1	0.25 Bakery reduced-fat cookies and pastry
77250710	1	0.25 Bakery reduced-fat cookies and pastry
77272010	1	0.25 Bakery reduced-fat cookies and pastry
91746200	1	0.25 Bakery reduced-fat cookies and pastry
11611000	1	0.1 RTD sport nutrition beverages
11621000	1	0.1 RTD sport nutrition beverages
11623000	1	0.1 RTD sport nutrition beverages
11631000	1	0.1 RTD sport nutrition beverages
11641000	1	0.1 RTD sport nutrition beverages
11641020	1	0.1 RTD sport nutrition beverages
11651010	1	0.1 RTD sport nutrition beverages
41440010	1	0.1 RTD sport nutrition beverages
41440020	1	0.1 RTD sport nutrition beverages
41440050	1	0.1 RTD sport nutrition beverages
41440100	1	0.1 RTD sport nutrition beverages
92553000	1	0.1 RTD sport nutrition beverages
92560000	1	0.1 RTD sport nutrition beverages
92560100	1	0.1 RTD sport nutrition beverages
92560200	1	0.1 RTD sport nutrition beverages
92565000	1	0.1 RTD sport nutrition beverages
92565100	1	0.1 RTD sport nutrition beverages
92565200	1	0.1 RTD sport nutrition beverages
92570100	1	0.1 RTD sport nutrition beverages
92570500	1	0.1 RTD sport nutrition beverages
95101000	1	0.1 RTD sport nutrition beverages

95101010	1	0.1 RTD sport nutrition beverages
95102000	1	0.1 RTD sport nutrition beverages
95102010	1	0.1 RTD sport nutrition beverages
95103000	1	0.1 RTD sport nutrition beverages
95103010	1	0.1 RTD sport nutrition beverages
95104000	1	0.1 RTD sport nutrition beverages
95105000	1	0.1 RTD sport nutrition beverages
95106000	1	0.1 RTD sport nutrition beverages
95106010	1	0.1 RTD sport nutrition beverages
95110000	1	0.1 RTD sport nutrition beverages
95110010	1	0.1 RTD sport nutrition beverages
95110020	1	0.1 RTD sport nutrition beverages
95120000	1	0.1 RTD sport nutrition beverages
95120010	1	0.1 RTD sport nutrition beverages
95120020	1	0.1 RTD sport nutrition beverages
95120050	1	0.1 RTD sport nutrition beverages
95320200	1	0.1 RTD sport nutrition beverages
95320500	1	0.1 RTD sport nutrition beverages
95321000	1	0.1 RTD sport nutrition beverages
95322200	1	0.1 RTD sport nutrition beverages
95322500	1	0.1 RTD sport nutrition beverages
95323000	1	0.1 RTD sport nutrition beverages
95330100	1	0.1 RTD sport nutrition beverages
95330500	1	0.1 RTD sport nutrition beverages
11553000	1	0.01 RTD beverages
11553130	1	0.01 RTD beverages
42404010	1	0.01 RTD beverages
64100100	1	0.01 RTD beverages
64100110	1	0.01 RTD beverages
64100120	1	0.01 RTD beverages
64100200	1	0.01 RTD beverages
64100220	1	0.01 RTD beverages
64101010	1	0.01 RTD beverages
64104010	1	0.01 RTD beverages
78101000	1	0.01 RTD beverages

92307500	1	0.01 RTD beverages
92307510	1	0.01 RTD beverages
92307520	1	0.01 RTD beverages
92309000	1	0.01 RTD beverages
92309010	1	0.01 RTD beverages
92309020	1	0.01 RTD beverages
92309030	1	0.01 RTD beverages
92309040	1	0.01 RTD beverages
92309050	1	0.01 RTD beverages
92309500	1	0.01 RTD beverages
92309510	1	0.01 RTD beverages
92309520	1	0.01 RTD beverages
92400000	1	0.01 RTD beverages
92400100	1	0.01 RTD beverages
92410315	1	0.01 RTD beverages
92410320	1	0.01 RTD beverages
92410350	1	0.01 RTD beverages
92410370	1	0.01 RTD beverages
92410400	1	0.01 RTD beverages
92410420	1	0.01 RTD beverages
92410520	1	0.01 RTD beverages
92410560	1	0.01 RTD beverages
92410620	1	0.01 RTD beverages
92410720	1	0.01 RTD beverages
92410810	1	0.01 RTD beverages
92410820	1	0.01 RTD beverages
92411510	1	0.01 RTD beverages
92411520	1	0.01 RTD beverages
92411610	1	0.01 RTD beverages
92411620	1	0.01 RTD beverages
92416010	1	0.01 RTD beverages
92417010	1	0.01 RTD beverages
92431000	1	0.01 RTD beverages
92432000	1	0.01 RTD beverages
92433000	1	0.01 RTD beverages

92510120	1	0.01 RTD beverages
92510150	1	0.01 RTD beverages
92510170	1	0.01 RTD beverages
92510200	1	0.01 RTD beverages
92510220	1	0.01 RTD beverages
92510310	1	0.01 RTD beverages
92510410	1	0.01 RTD beverages
92510610	1	0.01 RTD beverages
92510630	1	0.01 RTD beverages
92510650	1	0.01 RTD beverages
92510720	1	0.01 RTD beverages
92510730	1	0.01 RTD beverages
92510810	1	0.01 RTD beverages
92510820	1	0.01 RTD beverages
92510910	1	0.01 RTD beverages
92510950	1	0.01 RTD beverages
92510955	1	0.01 RTD beverages
92510960	1	0.01 RTD beverages
92511000	1	0.01 RTD beverages
92511010	1	0.01 RTD beverages
92511015	1	0.01 RTD beverages
92511020	1	0.01 RTD beverages
92511110	1	0.01 RTD beverages
92511200	1	0.01 RTD beverages
92511220	1	0.01 RTD beverages
92511230	1	0.01 RTD beverages
92511240	1	0.01 RTD beverages
92511250	1	0.01 RTD beverages
92511260	1	0.01 RTD beverages
92511270	1	0.01 RTD beverages
92511280	1	0.01 RTD beverages
92511290	1	0.01 RTD beverages
92511310	1	0.01 RTD beverages
92511340	1	0.01 RTD beverages
92511350	1	0.01 RTD beverages

92511400	1	0.01 RTD beverages
92511510	1	0.01 RTD beverages
92512090	1	0.01 RTD beverages
92512110	1	0.01 RTD beverages
92513000	1	0.01 RTD beverages
92513010	1	0.01 RTD beverages
92520410	1	0.01 RTD beverages
92520810	1	0.01 RTD beverages
92520910	1	0.01 RTD beverages
92530210	1	0.01 RTD beverages
92530310	1	0.01 RTD beverages
92530410	1	0.01 RTD beverages
92530510	1	0.01 RTD beverages
92530520	1	0.01 RTD beverages
92530610	1	0.01 RTD beverages
92530710	1	0.01 RTD beverages
92530810	1	0.01 RTD beverages
92530840	1	0.01 RTD beverages
92530910	1	0.01 RTD beverages
92530950	1	0.01 RTD beverages
92531010	1	0.01 RTD beverages
92531020	1	0.01 RTD beverages
92531030	1	0.01 RTD beverages
92531110	1	0.01 RTD beverages
92531120	1	0.01 RTD beverages
92531150	1	0.01 RTD beverages
92531210	1	0.01 RTD beverages
92550030	1	0.01 RTD beverages
92550035	1	0.01 RTD beverages
92550040	1	0.01 RTD beverages
92550050	1	0.01 RTD beverages
92550110	1	0.01 RTD beverages
92550200	1	0.01 RTD beverages
92550210	1	0.01 RTD beverages
92550300	1	0.01 RTD beverages

92550350	1	0.01 RTD beverages
92550360	1	0.01 RTD beverages
92550370	1	0.01 RTD beverages
92550380	1	0.01 RTD beverages
92550400	1	0.01 RTD beverages
92550405	1	0.01 RTD beverages
92550610	1	0.01 RTD beverages
92550620	1	0.01 RTD beverages
92551700	1	0.01 RTD beverages
92552020	1	0.01 RTD beverages
92552030	1	0.01 RTD beverages
92552100	1	0.01 RTD beverages
92582000	1	0.01 RTD beverages
92582100	1	0.01 RTD beverages
92582110	1	0.01 RTD beverages
92582120	1	0.01 RTD beverages
92650000	1	0.01 RTD beverages
92650005	1	0.01 RTD beverages
92650100	1	0.01 RTD beverages
92650200	1	0.01 RTD beverages
92650205	1	0.01 RTD beverages
92650210	1	0.01 RTD beverages
92650700	1	0.01 RTD beverages
92650705	1	0.01 RTD beverages
92650800	1	0.01 RTD beverages
92650805	1	0.01 RTD beverages
92651000	1	0.01 RTD beverages
94100300	1	0.01 RTD beverages
94210100	1	0.01 RTD beverages
94210200	1	0.01 RTD beverages
94210300	1	0.01 RTD beverages
94220100	1	0.01 RTD beverages
94220110	1	0.01 RTD beverages
94220200	1	0.01 RTD beverages
94220215	1	0.01 RTD beverages

94220310	1	0.01 RTD beverages
95310200	1	0.01 RTD beverages
95310400	1	0.01 RTD beverages
95310500	1	0.01 RTD beverages
95310550	1	0.01 RTD beverages
95310555	1	0.01 RTD beverages
95310560	1	0.01 RTD beverages
95310600	1	0.01 RTD beverages
95310700	1	0.01 RTD beverages
95310750	1	0.01 RTD beverages
95310800	1	0.01 RTD beverages
95311000	1	0.01 RTD beverages
95312400	1	0.01 RTD beverages
95312500	1	0.01 RTD beverages
95312550	1	0.01 RTD beverages
95312555	1	0.01 RTD beverages
95312560	1	0.01 RTD beverages
95312600	1	0.01 RTD beverages
95312700	1	0.01 RTD beverages
95312800	1	0.01 RTD beverages
95312900	1	0.01 RTD beverages
95312905	1	0.01 RTD beverages
95313200	1	0.01 RTD beverages
95342000	1	0.01 RTD beverages
41435000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
41435110	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
41435120	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
41435300	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
41435500	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
41435700	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
41435710	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
42500000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
42500100	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
42501000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
42501500	1	0.2 Reduced-sugar cereals (RTE) and cereal bars

42502100	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
53226500	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
53226550	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
53234250	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
53540000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
53540200	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
53540250	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
53540300	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
53540400	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
53540402	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
53540404	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
53540500	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
53540600	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
53540700	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
53540800	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
53540802	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
53540804	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
53540806	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
53540900	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
53540902	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
53540904	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
53540906	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
53541000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
53541002	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
53541004	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
53541006	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
53541200	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
53541300	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
53542000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
53542100	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
53542200	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
53542210	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
53543000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
53543100	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
53544200	1	0.2 Reduced-sugar cereals (RTE) and cereal bars

53714220	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
53714230	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
53714250	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
53714300	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
53714400	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
53714500	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
53714510	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
53714520	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
53720100	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
53720200	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
53720210	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
53720300	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
53720400	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
53720500	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
53720510	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
53720600	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
53720610	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
53720700	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
53720800	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
53729000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
53801000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
54420010	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
56207190	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
56207200	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
56207210	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
56207212	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
56207220	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
56207230	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
56207290	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
56207300	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
56207310	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
56207330	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
56207340	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
56207342	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
56207350	1	0.2 Reduced-sugar cereals (RTE) and cereal bars

56207360	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
56207365	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
56207370	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
56208500	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
56208510	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
56208520	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
56208530	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
56208540	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
56208550	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
56209000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
56210000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57000000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57000050	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57000100	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57100100	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57100400	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57100500	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57101000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57101020	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57102000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57103000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57103020	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57103050	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57103100	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57103500	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57104000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57106050	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57106060	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57106100	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57106250	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57106260	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57106530	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57107000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57110000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57111000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars

57117000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57117500	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57119000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57120000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57123000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57124000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57124030	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57124050	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57124100	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57124200	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57124300	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57124500	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57124900	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57125000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57125010	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57125900	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57126000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57126500	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57127000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57128000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57128005	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57128880	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57130000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57131000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57132000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57134000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57134090	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57135000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57137000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57138000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57139000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57143000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57143500	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57144000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57148000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars

57148500	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57148600	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57151000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57152000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57160000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57201800	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57201900	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57206000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57206700	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57206705	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57206710	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57206715	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57206800	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57207000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57208000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57209000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57211000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57212100	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57213000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57213005	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57213010	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57213850	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57213900	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57214000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57214100	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57215000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57216000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57218000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57219000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57221000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57221650	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57221700	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57221800	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57221810	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57223000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars

57224000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57227000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57228000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57229000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57229500	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57230000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57231000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57231100	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57231200	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57231250	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57232100	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57237100	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57237200	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57237300	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57237310	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57237900	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57238000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57239000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57239100	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57240100	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57241000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57241200	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57243000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57243870	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57244000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57245000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57250000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57301100	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57301500	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57301505	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57301510	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57301511	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57301512	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57301520	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57301530	1	0.2 Reduced-sugar cereals (RTE) and cereal bars

57301535	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57301540	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57302100	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57303100	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57303105	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57303200	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57304100	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57305100	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57305150	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57305160	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57305165	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57305170	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57305174	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57305175	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57305180	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57305200	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57305210	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57305215	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57305300	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57305400	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57305500	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57305600	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57306100	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57306120	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57306130	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57306500	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57306700	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57306800	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57307010	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57307150	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57307500	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57307600	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57308150	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57308190	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57308300	1	0.2 Reduced-sugar cereals (RTE) and cereal bars

57308400	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57308900	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57309100	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57311700	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57316200	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57316300	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57316380	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57316385	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57316410	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57316450	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57316500	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57316710	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57316750	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57318000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57319000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57319500	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57320500	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57321500	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57321700	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57321800	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57321900	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57321905	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57322500	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57323000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57323050	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57324000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57325000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57326000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57327450	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57327500	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57328000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57329000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57330000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57330010	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57331000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars

57332050	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57332100	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57335500	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57335550	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57336000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57337000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57339000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57339100	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57339500	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57340000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57340700	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57341000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57341200	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57342010	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57344000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57344001	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57344005	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57344007	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57344010	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57344015	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57344020	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57344025	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57346500	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57347000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57347500	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57348000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57349000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57349020	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57355000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57401100	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57403100	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57404100	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57404200	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57406100	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57406105	1	0.2 Reduced-sugar cereals (RTE) and cereal bars

57407100	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57407110	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57408100	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57409100	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57410000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57411000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57413000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57416000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57416010	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57417000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57418000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
57419000	1	0.2 Reduced-sugar cereals (RTE) and cereal bars
13130700	1	0.1 Candies
13252200	1	0.1 Candies
91700010	1	0.1 Candies
91700500	1	0.1 Candies
91701010	1	0.1 Candies
91701020	1	0.1 Candies
91701030	1	0.1 Candies
91702010	1	0.1 Candies
91703010	1	0.1 Candies
91703020	1	0.1 Candies
91703030	1	0.1 Candies
91703040	1	0.1 Candies
91703050	1	0.1 Candies
91703060	1	0.1 Candies
91703070	1	0.1 Candies
91703080	1	0.1 Candies
91703150	1	0.1 Candies
91703200	1	0.1 Candies
91703250	1	0.1 Candies
91703300	1	0.1 Candies
91703400	1	0.1 Candies
91703500	1	0.1 Candies
91703600	1	0.1 Candies

91705010	1	0.1 Candies
91705020	1	0.1 Candies
91705030	1	0.1 Candies
91705040	1	0.1 Candies
91705050	1	0.1 Candies
91705060	1	0.1 Candies
91705070	1	0.1 Candies
91705090	1	0.1 Candies
91705200	1	0.1 Candies
91705300	1	0.1 Candies
91705310	1	0.1 Candies
91705400	1	0.1 Candies
91705410	1	0.1 Candies
91705420	1	0.1 Candies
91705430	1	0.1 Candies
91705500	1	0.1 Candies
91706000	1	0.1 Candies
91706100	1	0.1 Candies
91706400	1	0.1 Candies
91708000	1	0.1 Candies
91708010	1	0.1 Candies
91708020	1	0.1 Candies
91708030	1	0.1 Candies
91708040	1	0.1 Candies
91708070	1	0.1 Candies
91708100	1	0.1 Candies
91708150	1	0.1 Candies
91708160	1	0.1 Candies
91709000	1	0.1 Candies
91713010	1	0.1 Candies
91713020	1	0.1 Candies
91713030	1	0.1 Candies
91713040	1	0.1 Candies
91713050	1	0.1 Candies
91713060	1	0.1 Candies

91713070	1	0.1 Candies
91713080	1	0.1 Candies
91713090	1	0.1 Candies
91713100	1	0.1 Candies
91715000	1	0.1 Candies
91715100	1	0.1 Candies
91715200	1	0.1 Candies
91715300	1	0.1 Candies
91716010	1	0.1 Candies
91716110	1	0.1 Candies
91718000	1	0.1 Candies
91718050	1	0.1 Candies
91718100	1	0.1 Candies
91718110	1	0.1 Candies
91718200	1	0.1 Candies
91718300	1	0.1 Candies
91721000	1	0.1 Candies
91723000	1	0.1 Candies
91723010	1	0.1 Candies
91723020	1	0.1 Candies
91723050	1	0.1 Candies
91726000	1	0.1 Candies
91726110	1	0.1 Candies
91726130	1	0.1 Candies
91726140	1	0.1 Candies
91726150	1	0.1 Candies
91726410	1	0.1 Candies
91726420	1	0.1 Candies
91726425	1	0.1 Candies
91727010	1	0.1 Candies
91728000	1	0.1 Candies
91728500	1	0.1 Candies
91731000	1	0.1 Candies
91731010	1	0.1 Candies
91731060	1	0.1 Candies

91731100	1	0.1 Candies
91731150	1	0.1 Candies
91732000	1	0.1 Candies
91732100	1	0.1 Candies
91733000	1	0.1 Candies
91733200	1	0.1 Candies
91734000	1	0.1 Candies
91734100	1	0.1 Candies
91734200	1	0.1 Candies
91734300	1	0.1 Candies
91734400	1	0.1 Candies
91734450	1	0.1 Candies
91734500	1	0.1 Candies
91735000	1	0.1 Candies
91736000	1	0.1 Candies
91739010	1	0.1 Candies
91739510	1	0.1 Candies
91739600	1	0.1 Candies
91742010	1	0.1 Candies
91745010	1	0.1 Candies
91745020	1	0.1 Candies
91745040	1	0.1 Candies
91745100	1	0.1 Candies
91746010	1	0.1 Candies
91746100	1	0.1 Candies
91746120	1	0.1 Candies
91746150	1	0.1 Candies
91746200	1	0.1 Candies
91750000	1	0.1 Candies
91760000	1	0.1 Candies
91760100	1	0.1 Candies
91760200	1	0.1 Candies
91760500	1	0.1 Candies
91760700	1	0.1 Candies
91770000	1	0.1 Candies

91770010	1	0.1 Candies
91770020	1	0.1 Candies
91770030	1	0.1 Candies
91770050	1	0.1 Candies
91780010	1	0.1 Candies
91781010	1	0.1 Candies
11461000	1	0.5 Confectionary
11461100	1	0.5 Confectionary
13120100	1	0.5 Confectionary
13120110	1	0.5 Confectionary
13120120	1	0.5 Confectionary
13120121	1	0.5 Confectionary
13120130	1	0.5 Confectionary
13120140	1	0.5 Confectionary
13120300	1	0.5 Confectionary
13120310	1	0.5 Confectionary
13120710	1	0.5 Confectionary
13120720	1	0.5 Confectionary
13120760	1	0.5 Confectionary
13120780	1	0.5 Confectionary
13121300	1	0.5 Confectionary
13121400	1	0.5 Confectionary
13121500	1	0.5 Confectionary
13122500	1	0.5 Confectionary
13140100	1	0.5 Confectionary
13140110	1	0.5 Confectionary
13140600	1	0.5 Confectionary
13161630	1	0.5 Confectionary
13200110	1	0.5 Confectionary
13210110	1	0.5 Confectionary
13210150	1	0.5 Confectionary
13210160	1	0.5 Confectionary
13210180	1	0.5 Confectionary
13210190	1	0.5 Confectionary
13210220	1	0.5 Confectionary

13210250	1	0.5 Confectionary
13210260	1	0.5 Confectionary
13210270	1	0.5 Confectionary
13210280	1	0.5 Confectionary
13210290	1	0.5 Confectionary
13210300	1	0.5 Confectionary
13210350	1	0.5 Confectionary
13210410	1	0.5 Confectionary
13210450	1	0.5 Confectionary
13210500	1	0.5 Confectionary
13210520	1	0.5 Confectionary
13210530	1	0.5 Confectionary
13210610	1	0.5 Confectionary
13210710	1	0.5 Confectionary
13210750	1	0.5 Confectionary
13210810	1	0.5 Confectionary
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11611000	1	0.1 Dairy and imitation of dairy products

11612000	1	0.1 Dairy and imitation of dairy products
11613000	1	0.1 Dairy and imitation of dairy products
11621000	1	0.1 Dairy and imitation of dairy products
11622010	1	0.1 Dairy and imitation of dairy products
11623000	1	0.1 Dairy and imitation of dairy products
11631000	1	0.1 Dairy and imitation of dairy products
11641000	1	0.1 Dairy and imitation of dairy products
11641020	1	0.1 Dairy and imitation of dairy products
11651010	1	0.1 Dairy and imitation of dairy products
12100100	1	0.1 Dairy and imitation of dairy products
12120100	1	0.1 Dairy and imitation of dairy products
12120105	1	0.1 Dairy and imitation of dairy products
12120106	1	0.1 Dairy and imitation of dairy products
12120110	1	0.1 Dairy and imitation of dairy products
12130200	1	0.1 Dairy and imitation of dairy products
12140000	1	0.1 Dairy and imitation of dairy products
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12140110	1	0.1 Dairy and imitation of dairy products
12200100	1	0.1 Dairy and imitation of dairy products
12210100	1	0.1 Dairy and imitation of dairy products
12210200	1	0.1 Dairy and imitation of dairy products
12210210	1	0.1 Dairy and imitation of dairy products
12210250	1	0.1 Dairy and imitation of dairy products
12210255	1	0.1 Dairy and imitation of dairy products
12210260	1	0.1 Dairy and imitation of dairy products
12210270	1	0.1 Dairy and imitation of dairy products
12210280	1	0.1 Dairy and imitation of dairy products
12210305	1	0.1 Dairy and imitation of dairy products
12210310	1	0.1 Dairy and imitation of dairy products
12210400	1	0.1 Dairy and imitation of dairy products
12210410	1	0.1 Dairy and imitation of dairy products
12210420	1	0.1 Dairy and imitation of dairy products
12210430	1	0.1 Dairy and imitation of dairy products
12210440	1	0.1 Dairy and imitation of dairy products

12210500	1	0.1 Dairy and imitation of dairy products
12210505	1	0.1 Dairy and imitation of dairy products
12210520	1	0.1 Dairy and imitation of dairy products
12220000	1	0.1 Dairy and imitation of dairy products
12220100	1	0.1 Dairy and imitation of dairy products
12220200	1	0.1 Dairy and imitation of dairy products
12220250	1	0.1 Dairy and imitation of dairy products
12220270	1	0.1 Dairy and imitation of dairy products
12220280	1	0.1 Dairy and imitation of dairy products
12220300	1	0.1 Dairy and imitation of dairy products
12220400	1	0.1 Dairy and imitation of dairy products
12310100	1	0.1 Dairy and imitation of dairy products
12310200	1	0.1 Dairy and imitation of dairy products
12310300	1	0.1 Dairy and imitation of dairy products
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12310370	1	0.1 Dairy and imitation of dairy products
12320100	1	0.1 Dairy and imitation of dairy products
12320200	1	0.1 Dairy and imitation of dairy products
12350000	1	0.1 Dairy and imitation of dairy products
12350010	1	0.1 Dairy and imitation of dairy products
12350020	1	0.1 Dairy and imitation of dairy products
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12350110	1	0.1 Dairy and imitation of dairy products
12350200	1	0.1 Dairy and imitation of dairy products
12350205	1	0.1 Dairy and imitation of dairy products
12350210	1	0.1 Dairy and imitation of dairy products
12350215	1	0.1 Dairy and imitation of dairy products
12350220	1	0.1 Dairy and imitation of dairy products
12350225	1	0.1 Dairy and imitation of dairy products
12350230	1	0.1 Dairy and imitation of dairy products
12350235	1	0.1 Dairy and imitation of dairy products
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12350250	1	0.1 Dairy and imitation of dairy products
12350255	1	0.1 Dairy and imitation of dairy products

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13110100	1	0.1 Dairy and imitation of dairy products
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13110120	1	0.1 Dairy and imitation of dairy products
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13110200	1	0.1 Dairy and imitation of dairy products
13110210	1	0.1 Dairy and imitation of dairy products
13110220	1	0.1 Dairy and imitation of dairy products
13110310	1	0.1 Dairy and imitation of dairy products
13110320	1	0.1 Dairy and imitation of dairy products
13110330	1	0.1 Dairy and imitation of dairy products
13120050	1	0.1 Dairy and imitation of dairy products
13120100	1	0.1 Dairy and imitation of dairy products
13120110	1	0.1 Dairy and imitation of dairy products
13120120	1	0.1 Dairy and imitation of dairy products
13120121	1	0.1 Dairy and imitation of dairy products
13120130	1	0.1 Dairy and imitation of dairy products
13120140	1	0.1 Dairy and imitation of dairy products
13120300	1	0.1 Dairy and imitation of dairy products
13120310	1	0.1 Dairy and imitation of dairy products
13120400	1	0.1 Dairy and imitation of dairy products
13120500	1	0.1 Dairy and imitation of dairy products
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13120750	1	0.1 Dairy and imitation of dairy products
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13120770	1	0.1 Dairy and imitation of dairy products
13120780	1	0.1 Dairy and imitation of dairy products
13120790	1	0.1 Dairy and imitation of dairy products
13120800	1	0.1 Dairy and imitation of dairy products

13120810	1	0.1 Dairy and imitation of dairy products
13121000	1	0.1 Dairy and imitation of dairy products
13121100	1	0.1 Dairy and imitation of dairy products
13121200	1	0.1 Dairy and imitation of dairy products
13121300	1	0.1 Dairy and imitation of dairy products
13121400	1	0.1 Dairy and imitation of dairy products
13121500	1	0.1 Dairy and imitation of dairy products
13122100	1	0.1 Dairy and imitation of dairy products
13122500	1	0.1 Dairy and imitation of dairy products
13126000	1	0.1 Dairy and imitation of dairy products
13127000	1	0.1 Dairy and imitation of dairy products
13127010	1	0.1 Dairy and imitation of dairy products
13130100	1	0.1 Dairy and imitation of dairy products
13130300	1	0.1 Dairy and imitation of dairy products
13130310	1	0.1 Dairy and imitation of dairy products
13130320	1	0.1 Dairy and imitation of dairy products
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13130340	1	0.1 Dairy and imitation of dairy products
13130590	1	0.1 Dairy and imitation of dairy products
13130600	1	0.1 Dairy and imitation of dairy products
13130610	1	0.1 Dairy and imitation of dairy products
13130620	1	0.1 Dairy and imitation of dairy products
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13130640	1	0.1 Dairy and imitation of dairy products
13130700	1	0.1 Dairy and imitation of dairy products
13135000	1	0.1 Dairy and imitation of dairy products
13135010	1	0.1 Dairy and imitation of dairy products
13136000	1	0.1 Dairy and imitation of dairy products
13140100	1	0.1 Dairy and imitation of dairy products
13140110	1	0.1 Dairy and imitation of dairy products
13140450	1	0.1 Dairy and imitation of dairy products
13140500	1	0.1 Dairy and imitation of dairy products
13140550	1	0.1 Dairy and imitation of dairy products
13140570	1	0.1 Dairy and imitation of dairy products
13140575	1	0.1 Dairy and imitation of dairy products

13140580	1	0.1 Dairy and imitation of dairy products
13140600	1	0.1 Dairy and imitation of dairy products
13140630	1	0.1 Dairy and imitation of dairy products
13140650	1	0.1 Dairy and imitation of dairy products
13140660	1	0.1 Dairy and imitation of dairy products
13140670	1	0.1 Dairy and imitation of dairy products
13140680	1	0.1 Dairy and imitation of dairy products
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13140710	1	0.1 Dairy and imitation of dairy products
13140900	1	0.1 Dairy and imitation of dairy products
13142000	1	0.1 Dairy and imitation of dairy products
13150000	1	0.1 Dairy and imitation of dairy products
13160150	1	0.1 Dairy and imitation of dairy products
13160160	1	0.1 Dairy and imitation of dairy products
13160400	1	0.1 Dairy and imitation of dairy products
13160410	1	0.1 Dairy and imitation of dairy products
13160420	1	0.1 Dairy and imitation of dairy products
13161000	1	0.1 Dairy and imitation of dairy products
13161500	1	0.1 Dairy and imitation of dairy products
13161520	1	0.1 Dairy and imitation of dairy products
13161600	1	0.1 Dairy and imitation of dairy products
13161630	1	0.1 Dairy and imitation of dairy products
13170000	1	0.1 Dairy and imitation of dairy products
14620100	1	0.1 Dairy and imitation of dairy products
14620110	1	0.1 Dairy and imitation of dairy products
14620115	1	0.1 Dairy and imitation of dairy products
14620120	1	0.1 Dairy and imitation of dairy products
14620130	1	0.1 Dairy and imitation of dairy products
14620150	1	0.1 Dairy and imitation of dairy products
14620200	1	0.1 Dairy and imitation of dairy products
27510235	0.049501528	0.1 Dairy and imitation of dairy products
27510950	0.165190961	0.1 Dairy and imitation of dairy products
27513030	0.378461538	0.1 Dairy and imitation of dairy products
27513040	0.047619048	0.1 Dairy and imitation of dairy products
27513041	0.045454545	0.1 Dairy and imitation of dairy products

27516010	0.106	0.1 Dairy and imitation of dairy products
27517000	0.059194775	0.1 Dairy and imitation of dairy products
27517010	0.161411397	0.1 Dairy and imitation of dairy products
27518000	0.049123956	0.1 Dairy and imitation of dairy products
27520110	0.049501528	0.1 Dairy and imitation of dairy products
27520120	0.03658118	0.1 Dairy and imitation of dairy products
27520130	0.049501528	0.1 Dairy and imitation of dairy products
27520135	0.049501528	0.1 Dairy and imitation of dairy products
27520150	0.064525893	0.1 Dairy and imitation of dairy products
27520155	0.049501528	0.1 Dairy and imitation of dairy products
27520156	0.03191882	0.1 Dairy and imitation of dairy products
27520160	0.02991453	0.1 Dairy and imitation of dairy products
27520165	0.068928379	0.1 Dairy and imitation of dairy products
27520166	0.049501528	0.1 Dairy and imitation of dairy products
27520300	0.057495296	0.1 Dairy and imitation of dairy products
27520310	0.036006379	0.1 Dairy and imitation of dairy products
27520320	0.029447482	0.1 Dairy and imitation of dairy products
27520350	0.032821754	0.1 Dairy and imitation of dairy products
27520360	0.029447482	0.1 Dairy and imitation of dairy products
27520390	0.049501528	0.1 Dairy and imitation of dairy products
27520410	0.056170523	0.1 Dairy and imitation of dairy products
27520420	0.025452333	0.1 Dairy and imitation of dairy products
27520540	0.117462803	0.1 Dairy and imitation of dairy products
27540110	0.039026509	0.1 Dairy and imitation of dairy products
27540111	0.033106268	0.1 Dairy and imitation of dairy products
27540120	0.096436059	0.1 Dairy and imitation of dairy products
27540150	0.049501528	0.1 Dairy and imitation of dairy products
27540151	0.049501528	0.1 Dairy and imitation of dairy products
27540170	0.068451003	0.1 Dairy and imitation of dairy products
27540190	0.049501528	0.1 Dairy and imitation of dairy products
27540210	0.049501528	0.1 Dairy and imitation of dairy products
27540230	0.044142786	0.1 Dairy and imitation of dairy products
27540235	0.049501528	0.1 Dairy and imitation of dairy products
27540240	0.050184215	0.1 Dairy and imitation of dairy products
27540250	0.047961631	0.1 Dairy and imitation of dairy products

27540260	0.053209948	0.1 Dairy and imitation of dairy products
27540270	0.049501528	0.1 Dairy and imitation of dairy products
27540280	0.049501528	0.1 Dairy and imitation of dairy products
27540285	0.049501528	0.1 Dairy and imitation of dairy products
27540290	0.049501528	0.1 Dairy and imitation of dairy products
27540291	0.049501528	0.1 Dairy and imitation of dairy products
27540300	0.049501528	0.1 Dairy and imitation of dairy products
27540310	0.046382189	0.1 Dairy and imitation of dairy products
27540320	0.095172414	0.1 Dairy and imitation of dairy products
27540350	0.049501528	0.1 Dairy and imitation of dairy products
27540360	0.065116279	0.1 Dairy and imitation of dairy products
27540361	0.057613169	0.1 Dairy and imitation of dairy products
27541000	0.045447034	0.1 Dairy and imitation of dairy products
27541001	0.049501528	0.1 Dairy and imitation of dairy products
27550000	0.049501528	0.1 Dairy and imitation of dairy products
27550100	0.075901328	0.1 Dairy and imitation of dairy products
27550510	0.075901328	0.1 Dairy and imitation of dairy products
27560000	0.049501528	0.1 Dairy and imitation of dairy products
27560110	0.051533177	0.1 Dairy and imitation of dairy products
27560120	0.039076422	0.1 Dairy and imitation of dairy products
27560500	0.066666667	0.1 Dairy and imitation of dairy products
27560510	0.051736789	0.1 Dairy and imitation of dairy products
27560910	0.049501528	0.1 Dairy and imitation of dairy products
27563010	0.50310559	0.1 Dairy and imitation of dairy products
27570310	0.089418211	0.1 Dairy and imitation of dairy products
33001000	1	0.1 Dairy and imitation of dairy products
33001020	1	0.1 Dairy and imitation of dairy products
41420380	1	0.1 Dairy and imitation of dairy products
41812000	1	0.1 Dairy and imitation of dairy products
42203100	1	0.1 Dairy and imitation of dairy products
42401100	1	0.1 Dairy and imitation of dairy products
53109250	1	0.1 Dairy and imitation of dairy products
53109270	1	0.1 Dairy and imitation of dairy products
53112000	1	0.1 Dairy and imitation of dairy products
53112100	1	0.1 Dairy and imitation of dairy products

53112150	1	0.1 Dairy and imitation of dairy products
53112160	1	0.1 Dairy and imitation of dairy products
53112500	1	0.1 Dairy and imitation of dairy products
53122070	1	0.1 Dairy and imitation of dairy products
53123070	1	0.1 Dairy and imitation of dairy products
53123500	1	0.1 Dairy and imitation of dairy products
53204500	1	0.1 Dairy and imitation of dairy products
53340000	1	0.1 Dairy and imitation of dairy products
53340500	1	0.1 Dairy and imitation of dairy products
53344200	1	0.1 Dairy and imitation of dairy products
53347500	1	0.1 Dairy and imitation of dairy products
53366000	1	0.1 Dairy and imitation of dairy products
53430300	1	0.1 Dairy and imitation of dairy products
53500200	1	0.1 Dairy and imitation of dairy products
54403005	0.435797665	0.1 Dairy and imitation of dairy products
54403020	0.049784268	0.1 Dairy and imitation of dairy products
54403040	0.152027027	0.1 Dairy and imitation of dairy products
54403046	0.152027027	0.1 Dairy and imitation of dairy products
54408410	0.009832842	0.1 Dairy and imitation of dairy products
54408411	0.00990099	0.1 Dairy and imitation of dairy products
56203075	1	0.1 Dairy and imitation of dairy products
56203076	1	0.1 Dairy and imitation of dairy products
56203077	1	0.1 Dairy and imitation of dairy products
56203105	1	0.1 Dairy and imitation of dairy products
56203106	1	0.1 Dairy and imitation of dairy products
56203107	1	0.1 Dairy and imitation of dairy products
56207025	1	0.1 Dairy and imitation of dairy products
56207026	1	0.1 Dairy and imitation of dairy products
56207027	1	0.1 Dairy and imitation of dairy products
56207101	1	0.1 Dairy and imitation of dairy products
56207102	1	0.1 Dairy and imitation of dairy products
56207103	1	0.1 Dairy and imitation of dairy products
57344015	1	0.1 Dairy and imitation of dairy products
57419000	1	0.1 Dairy and imitation of dairy products
58100135	0.137801566	0.1 Dairy and imitation of dairy products

58100140	0.134471469	0.1 Dairy and imitation of dairy products
58100145	0.06779661	0.1 Dairy and imitation of dairy products
58100165	0.126670583	0.1 Dairy and imitation of dairy products
58100235	0.160048246	0.1 Dairy and imitation of dairy products
58100245	0.144254892	0.1 Dairy and imitation of dairy products
58100260	0.135315344	0.1 Dairy and imitation of dairy products
58100330	0.123851235	0.1 Dairy and imitation of dairy products
58100410	0.185614849	0.1 Dairy and imitation of dairy products
58101325	0.130256265	0.1 Dairy and imitation of dairy products
58101350	0.116766087	0.1 Dairy and imitation of dairy products
58101357	0.090909091	0.1 Dairy and imitation of dairy products
58101460	0.142348754	0.1 Dairy and imitation of dairy products
58101525	0.162918364	0.1 Dairy and imitation of dairy products
58101615	0.103884372	0.1 Dairy and imitation of dairy products
58101630	0.109922934	0.1 Dairy and imitation of dairy products
58101635	0.120112279	0.1 Dairy and imitation of dairy products
58101725	0.114427861	0.1 Dairy and imitation of dairy products
58101745	0.121797842	0.1 Dairy and imitation of dairy products
58101750	0.007963761	0.1 Dairy and imitation of dairy products
58101945	0.120403971	0.1 Dairy and imitation of dairy products
58101950	0.119156414	0.1 Dairy and imitation of dairy products
58101955	0.121796058	0.1 Dairy and imitation of dairy products
58104080	0.07521728	0.1 Dairy and imitation of dairy products
58104090	0.117275138	0.1 Dairy and imitation of dairy products
58104180	0.090909091	0.1 Dairy and imitation of dairy products
58104190	0.087246795	0.1 Dairy and imitation of dairy products
58104270	0.088940449	0.1 Dairy and imitation of dairy products
58104280	0.098217145	0.1 Dairy and imitation of dairy products
58104320	0.115708716	0.1 Dairy and imitation of dairy products
58104535	0.121583568	0.1 Dairy and imitation of dairy products
58104540	0.091053048	0.1 Dairy and imitation of dairy products
58104550	0.103214226	0.1 Dairy and imitation of dairy products
58111200	0.244093014	0.1 Dairy and imitation of dairy products
58127500	0.091145833	0.1 Dairy and imitation of dairy products
58127510	0.117944398	0.1 Dairy and imitation of dairy products

58147310	0.470951699	0.1 Dairy and imitation of dairy products
58147330	0.316424886	0.1 Dairy and imitation of dairy products
58147340	0.248959477	0.1 Dairy and imitation of dairy products
58147350	0.400102426	0.1 Dairy and imitation of dairy products
63401015	1	0.1 Dairy and imitation of dairy products
63402960	1	0.1 Dairy and imitation of dairy products
63402970	1	0.1 Dairy and imitation of dairy products
63403020	1	0.1 Dairy and imitation of dairy products
63403030	1	0.1 Dairy and imitation of dairy products
63403100	1	0.1 Dairy and imitation of dairy products
63413020	1	0.1 Dairy and imitation of dairy products
63430500	1	0.1 Dairy and imitation of dairy products
67404070	1	0.1 Dairy and imitation of dairy products
67404300	1	0.1 Dairy and imitation of dairy products
67404500	1	0.1 Dairy and imitation of dairy products
67408500	1	0.1 Dairy and imitation of dairy products
67413700	1	0.1 Dairy and imitation of dairy products
67430500	1	0.1 Dairy and imitation of dairy products
71200120	0.049784268	0.1 Dairy and imitation of dairy products
71200220	0.049784268	0.1 Dairy and imitation of dairy products
71501015	0.206500956	0.1 Dairy and imitation of dairy products
71501025	0.196355136	0.1 Dairy and imitation of dairy products
71501055	0.201680672	0.1 Dairy and imitation of dairy products
71507005	0.049784268	0.1 Dairy and imitation of dairy products
71507010	0.135828554	0.1 Dairy and imitation of dairy products
71508005	0.049784268	0.1 Dairy and imitation of dairy products
71508010	0.090552369	0.1 Dairy and imitation of dairy products
75340022	1	0.1 Dairy and imitation of dairy products
75340023	1	0.1 Dairy and imitation of dairy products
75450600	1	0.1 Dairy and imitation of dairy products
75460800	1	0.1 Dairy and imitation of dairy products
75460810	1	0.1 Dairy and imitation of dairy products
81103040	1	0.1 Dairy and imitation of dairy products
81103041	1	0.1 Dairy and imitation of dairy products
81103060	1	0.1 Dairy and imitation of dairy products

81103070	1	0.1 Dairy and imitation of dairy products
81103080	1	0.1 Dairy and imitation of dairy products
81103090	1	0.1 Dairy and imitation of dairy products
81103100	1	0.1 Dairy and imitation of dairy products
81103120	1	0.1 Dairy and imitation of dairy products
81103130	1	0.1 Dairy and imitation of dairy products
81103140	1	0.1 Dairy and imitation of dairy products
81104010	1	0.1 Dairy and imitation of dairy products
81104011	1	0.1 Dairy and imitation of dairy products
81104020	1	0.1 Dairy and imitation of dairy products
81104050	1	0.1 Dairy and imitation of dairy products
81104070	1	0.1 Dairy and imitation of dairy products
81104100	1	0.1 Dairy and imitation of dairy products
81104110	1	0.1 Dairy and imitation of dairy products
81104500	1	0.1 Dairy and imitation of dairy products
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81104550	1	0.1 Dairy and imitation of dairy products
81104560	1	0.1 Dairy and imitation of dairy products
81105010	1	0.1 Dairy and imitation of dairy products
81105020	1	0.1 Dairy and imitation of dairy products
81105030	1	0.1 Dairy and imitation of dairy products
81105500	1	0.1 Dairy and imitation of dairy products
81106010	1	0.1 Dairy and imitation of dairy products
81204000	1	0.1 Dairy and imitation of dairy products
81302040	1	0.1 Dairy and imitation of dairy products
81322000	1	0.1 Dairy and imitation of dairy products
83107000	1	0.1 Dairy and imitation of dairy products
83107100	1	0.1 Dairy and imitation of dairy products
83107200	1	0.1 Dairy and imitation of dairy products
83108000	1	0.1 Dairy and imitation of dairy products
83108100	1	0.1 Dairy and imitation of dairy products
83112000	1	0.1 Dairy and imitation of dairy products
83112500	1	0.1 Dairy and imitation of dairy products
83115000	1	0.1 Dairy and imitation of dairy products
83210000	1	0.1 Dairy and imitation of dairy products

83210050	1	0.1 Dairy and imitation of dairy products
83210100	1	0.1 Dairy and imitation of dairy products
83210200	1	0.1 Dairy and imitation of dairy products
83210250	1	0.1 Dairy and imitation of dairy products
91501030	1	0.1 Dairy and imitation of dairy products
91501040	1	0.1 Dairy and imitation of dairy products
91501050	1	0.1 Dairy and imitation of dairy products
91501060	1	0.1 Dairy and imitation of dairy products
91501070	1	0.1 Dairy and imitation of dairy products
91501080	1	0.1 Dairy and imitation of dairy products
91501110	1	0.1 Dairy and imitation of dairy products
91511030	1	0.1 Dairy and imitation of dairy products
91511050	1	0.1 Dairy and imitation of dairy products
91511060	1	0.1 Dairy and imitation of dairy products
91511070	1	0.1 Dairy and imitation of dairy products
91511080	1	0.1 Dairy and imitation of dairy products
91611050	1	0.1 Dairy and imitation of dairy products
92101903	1	0.1 Dairy and imitation of dairy products
92101906	1	0.1 Dairy and imitation of dairy products
92101913	1	0.1 Dairy and imitation of dairy products
92101919	1	0.1 Dairy and imitation of dairy products
92101920	1	0.1 Dairy and imitation of dairy products
92101923	1	0.1 Dairy and imitation of dairy products
92101925	1	0.1 Dairy and imitation of dairy products
92101926	1	0.1 Dairy and imitation of dairy products
92101928	1	0.1 Dairy and imitation of dairy products
92101933	1	0.1 Dairy and imitation of dairy products
92101935	1	0.1 Dairy and imitation of dairy products
92101936	1	0.1 Dairy and imitation of dairy products
92101938	1	0.1 Dairy and imitation of dairy products
92101960	1	0.1 Dairy and imitation of dairy products
92101975	1	0.1 Dairy and imitation of dairy products
92102020	1	0.1 Dairy and imitation of dairy products
92102030	1	0.1 Dairy and imitation of dairy products
92102040	1	0.1 Dairy and imitation of dairy products

92102050	1	0.1 Dairy and imitation of dairy products
92102080	1	0.1 Dairy and imitation of dairy products
92102090	1	0.1 Dairy and imitation of dairy products
92102100	1	0.1 Dairy and imitation of dairy products
92102110	1	0.1 Dairy and imitation of dairy products
92102502	1	0.1 Dairy and imitation of dairy products
92102505	1	0.1 Dairy and imitation of dairy products
92102512	1	0.1 Dairy and imitation of dairy products
92102515	1	0.1 Dairy and imitation of dairy products
92102602	1	0.1 Dairy and imitation of dairy products
92102612	1	0.1 Dairy and imitation of dairy products
92161002	1	0.1 Dairy and imitation of dairy products
92162002	1	0.1 Dairy and imitation of dairy products
92510730	1	0.1 Dairy and imitation of dairy products
92613510	1	0.1 Dairy and imitation of dairy products
11480020	1	0.2 Infant food: cereal
11480030	1	0.2 Infant food: cereal
11480040	1	0.2 Infant food: cereal
53801000	1	0.2 Infant food: cereal
57801000	1	0.2 Infant food: cereal
57803000	1	0.2 Infant food: cereal
57804000	1	0.2 Infant food: cereal
57805000	1	0.2 Infant food: cereal
57805080	1	0.2 Infant food: cereal
57805090	1	0.2 Infant food: cereal
57805100	1	0.2 Infant food: cereal
57805500	1	0.2 Infant food: cereal
57806000	1	0.2 Infant food: cereal
57806050	1	0.2 Infant food: cereal
57806100	1	0.2 Infant food: cereal
57806200	1	0.2 Infant food: cereal
57807010	1	0.2 Infant food: cereal
57820000	1	0.2 Infant food: cereal
57820100	1	0.2 Infant food: cereal
57822000	1	0.2 Infant food: cereal

57823000	1	0.2 Infant food: cereal
57824000	1	0.2 Infant food: cereal
57824500	1	0.2 Infant food: cereal
57830100	1	0.2 Infant food: cereal
53203050	1	0.05 Infant food: bakery
53203100	1	0.05 Infant food: bakery
53242250	1	0.05 Infant food: bakery
53803050	1	0.05 Infant food: bakery
53803100	1	0.05 Infant food: bakery
53803250	1	0.05 Infant food: bakery
53803300	1	0.05 Infant food: bakery
54350000	1	0.05 Infant food: bakery
54350010	1	0.05 Infant food: bakery
54350020	1	0.05 Infant food: bakery
54360000	1	0.05 Infant food: bakery
54408100	1	0.05 Infant food: bakery
11513000	1	0.6 Powdered beverage mix
11513100	1	0.6 Powdered beverage mix
11513150	1	0.6 Powdered beverage mix
11513200	1	0.6 Powdered beverage mix
11513300	1	0.6 Powdered beverage mix
11513310	1	0.6 Powdered beverage mix
11513380	1	0.6 Powdered beverage mix
11513381	1	0.6 Powdered beverage mix
11513382	1	0.6 Powdered beverage mix
11513383	1	0.6 Powdered beverage mix
11513384	1	0.6 Powdered beverage mix
11513385	1	0.6 Powdered beverage mix
11513390	1	0.6 Powdered beverage mix
11513391	1	0.6 Powdered beverage mix
11513392	1	0.6 Powdered beverage mix
11513393	1	0.6 Powdered beverage mix
11513394	1	0.6 Powdered beverage mix
11513395	1	0.6 Powdered beverage mix
11514100	1	0.6 Powdered beverage mix

11514110	1	0.6 Powdered beverage mix
11514120	1	0.6 Powdered beverage mix
11514130	1	0.6 Powdered beverage mix
11514140	1	0.6 Powdered beverage mix
11514150	1	0.6 Powdered beverage mix
11514310	1	0.6 Powdered beverage mix
11514320	1	0.6 Powdered beverage mix
11514330	1	0.6 Powdered beverage mix
11514340	1	0.6 Powdered beverage mix
11514350	1	0.6 Powdered beverage mix
11514360	1	0.6 Powdered beverage mix
11516000	1	0.6 Powdered beverage mix
11612000	1	0.6 Powdered beverage mix
11613000	1	0.6 Powdered beverage mix
11622010	1	0.6 Powdered beverage mix
11631000	1	0.6 Powdered beverage mix
11830100	1	0.6 Powdered beverage mix
11830110	1	0.6 Powdered beverage mix
11830115	1	0.6 Powdered beverage mix
11830120	1	0.6 Powdered beverage mix
11830140	1	0.6 Powdered beverage mix
11830150	1	0.6 Powdered beverage mix
11830160	1	0.6 Powdered beverage mix
11830165	1	0.6 Powdered beverage mix
11830170	1	0.6 Powdered beverage mix
11830200	1	0.6 Powdered beverage mix
11830210	1	0.6 Powdered beverage mix
11830250	1	0.6 Powdered beverage mix
11830260	1	0.6 Powdered beverage mix
11830400	1	0.6 Powdered beverage mix
11830450	1	0.6 Powdered beverage mix
11830500	1	0.6 Powdered beverage mix
11830550	1	0.6 Powdered beverage mix
11830800	1	0.6 Powdered beverage mix
11830810	1	0.6 Powdered beverage mix

11830850	1	0.6 Powdered beverage mix
11830900	1	0.6 Powdered beverage mix
11830940	1	0.6 Powdered beverage mix
11830970	1	0.6 Powdered beverage mix
11830990	1	0.6 Powdered beverage mix
11831500	1	0.6 Powdered beverage mix
11832000	1	0.6 Powdered beverage mix
11835000	1	0.6 Powdered beverage mix
11835100	1	0.6 Powdered beverage mix
11835150	1	0.6 Powdered beverage mix
11836000	1	0.6 Powdered beverage mix
11836100	1	0.6 Powdered beverage mix
28400000	1	0.6 Powdered beverage mix
28401200	1	0.6 Powdered beverage mix
41430000	1	0.6 Powdered beverage mix
41430010	1	0.6 Powdered beverage mix
41430200	1	0.6 Powdered beverage mix
41430310	1	0.6 Powdered beverage mix
92103000	1	0.6 Powdered beverage mix
92104000	1	0.6 Powdered beverage mix
92106000	1	0.6 Powdered beverage mix
92114000	1	0.6 Powdered beverage mix
92121000	1	0.6 Powdered beverage mix
92121010	1	0.6 Powdered beverage mix
92121020	1	0.6 Powdered beverage mix
92121030	1	0.6 Powdered beverage mix
92121040	1	0.6 Powdered beverage mix
92121050	1	0.6 Powdered beverage mix
92151000	1	0.6 Powdered beverage mix
92151100	1	0.6 Powdered beverage mix
92191000	1	0.6 Powdered beverage mix
92191100	1	0.6 Powdered beverage mix
92191200	1	0.6 Powdered beverage mix
92191500	1	0.6 Powdered beverage mix
92191520	1	0.6 Powdered beverage mix

92192000	1	0.6 Powdered beverage mix
92192030	1	0.6 Powdered beverage mix
92192040	1	0.6 Powdered beverage mix
92193000	1	0.6 Powdered beverage mix
92193020	1	0.6 Powdered beverage mix
92203110	1	0.6 Powdered beverage mix
92203200	1	0.6 Powdered beverage mix
92291300	1	0.6 Powdered beverage mix
92305000	1	0.6 Powdered beverage mix
92305010	1	0.6 Powdered beverage mix
92305040	1	0.6 Powdered beverage mix
92305050	1	0.6 Powdered beverage mix
92305090	1	0.6 Powdered beverage mix
92305110	1	0.6 Powdered beverage mix
92305180	1	0.6 Powdered beverage mix
92305800	1	0.6 Powdered beverage mix
92307000	1	0.6 Powdered beverage mix
92307400	1	0.6 Powdered beverage mix
92541010	1	0.6 Powdered beverage mix
92541020	1	0.6 Powdered beverage mix
92541040	1	0.6 Powdered beverage mix
92541100	1	0.6 Powdered beverage mix
92541120	1	0.6 Powdered beverage mix
92542000	1	0.6 Powdered beverage mix
92544000	1	0.6 Powdered beverage mix
92552000	1	0.6 Powdered beverage mix
92552010	1	0.6 Powdered beverage mix
92731000	1	0.6 Powdered beverage mix
92741000	1	0.6 Powdered beverage mix
92751000	1	0.6 Powdered beverage mix
92900100	1	0.6 Powdered beverage mix
92900110	1	0.6 Powdered beverage mix
92900200	1	0.6 Powdered beverage mix
92900300	1	0.6 Powdered beverage mix
95201000	1	0.6 Powdered beverage mix

95201010	1	0.6 Powdered beverage mix
95201200	1	0.6 Powdered beverage mix
95201300	1	0.6 Powdered beverage mix
95201500	1	0.6 Powdered beverage mix
95201600	1	0.6 Powdered beverage mix
95201700	1	0.6 Powdered beverage mix
95202000	1	0.6 Powdered beverage mix
95202010	1	0.6 Powdered beverage mix
95210000	1	0.6 Powdered beverage mix
95210010	1	0.6 Powdered beverage mix
95210020	1	0.6 Powdered beverage mix
95220000	1	0.6 Powdered beverage mix
95220010	1	0.6 Powdered beverage mix
95230000	1	0.6 Powdered beverage mix
95230010	1	0.6 Powdered beverage mix
95230020	1	0.6 Powdered beverage mix
95230030	1	0.6 Powdered beverage mix
13411000	1	0.05 Sauces, instant and prepared
13412000	1	0.05 Sauces, instant and prepared
14650100	1	0.05 Sauces, instant and prepared
14650150	1	0.05 Sauces, instant and prepared
14650160	1	0.05 Sauces, instant and prepared
14650165	1	0.05 Sauces, instant and prepared
14650170	1	0.05 Sauces, instant and prepared
14650175	1	0.05 Sauces, instant and prepared
14650180	1	0.05 Sauces, instant and prepared
14650185	1	0.05 Sauces, instant and prepared
14650190	1	0.05 Sauces, instant and prepared
14650195	1	0.05 Sauces, instant and prepared
27111000	0.298507463	0.05 Sauces, instant and prepared
27111050	0.811059908	0.05 Sauces, instant and prepared
27111300	0.149653925	0.05 Sauces, instant and prepared
27111310	0.111955964	0.05 Sauces, instant and prepared
27112000	0.298329356	0.05 Sauces, instant and prepared
27112010	1	0.05 Sauces, instant and prepared

27113000	0.298329356	0.05	Sauces, instant and prepared
27113300	0.628550664	0.05	Sauces, instant and prepared
27114000	0.303343949	0.05	Sauces, instant and prepared
27115000	0.541864458	0.05	Sauces, instant and prepared
27115100	0.12	0.05	Sauces, instant and prepared
27116200	0.300699301	0.05	Sauces, instant and prepared
27116300	0.578630549	0.05	Sauces, instant and prepared
27118140	0.347102873	0.05	Sauces, instant and prepared
27118180	0.521708338	0.05	Sauces, instant and prepared
27120020	0.303482587	0.05	Sauces, instant and prepared
27120030	0.302788845	0.05	Sauces, instant and prepared
27120090	0.303066507	0.05	Sauces, instant and prepared
27120100	0.303066507	0.05	Sauces, instant and prepared
27120110	0.302788845	0.05	Sauces, instant and prepared
27120120	0.82310008	0.05	Sauces, instant and prepared
27120130	0.433809316	0.05	Sauces, instant and prepared
27120150	0.541864458	0.05	Sauces, instant and prepared
27120250	0.302788845	0.05	Sauces, instant and prepared
27130010	0.303482587	0.05	Sauces, instant and prepared
27130040	0.819875776	0.05	Sauces, instant and prepared
27135010	0.303482587	0.05	Sauces, instant and prepared
27135030	0.30362117	0.05	Sauces, instant and prepared
27135040	0.3009364	0.05	Sauces, instant and prepared
27136050	0.303066507	0.05	Sauces, instant and prepared
27136080	0.303482587	0.05	Sauces, instant and prepared
27141030	0.8125	0.05	Sauces, instant and prepared
27141035	0.8125	0.05	Sauces, instant and prepared
27141050	0.611546447	0.05	Sauces, instant and prepared
27142000	0.303066507	0.05	Sauces, instant and prepared
27142200	0.303066507	0.05	Sauces, instant and prepared
27143000	0.303135889	0.05	Sauces, instant and prepared
27144000	0.302510961	0.05	Sauces, instant and prepared
27145000	0.1	0.05	Sauces, instant and prepared
27146000	0.3	0.05	Sauces, instant and prepared
27146010	0.22343022	0.05	Sauces, instant and prepared

27146011	0.3	0.05 Sauces, instant and prepared
27146050	0.163901792	0.05 Sauces, instant and prepared
27146160	0.302788845	0.05 Sauces, instant and prepared
27146200	0.302510961	0.05 Sauces, instant and prepared
27150010	0.303482587	0.05 Sauces, instant and prepared
27150070	0.111198197	0.05 Sauces, instant and prepared
27150110	0.529100529	0.05 Sauces, instant and prepared
27150120	0.301397206	0.05 Sauces, instant and prepared
27150140	1	0.05 Sauces, instant and prepared
27150151	0.8125	0.05 Sauces, instant and prepared
27150155	0.8125	0.05 Sauces, instant and prepared
27150160	0.41323849	0.05 Sauces, instant and prepared
27150190	0.827970517	0.05 Sauces, instant and prepared
27150200	1	0.05 Sauces, instant and prepared
27150210	1	0.05 Sauces, instant and prepared
27150250	0.433259567	0.05 Sauces, instant and prepared
27150310	0.302788845	0.05 Sauces, instant and prepared
27150330	0.2	0.05 Sauces, instant and prepared
27150350	1	0.05 Sauces, instant and prepared
27150370	1	0.05 Sauces, instant and prepared
27150410	0.12	0.05 Sauces, instant and prepared
27150510	0.3	0.05 Sauces, instant and prepared
27151040	0.394445437	0.05 Sauces, instant and prepared
27151050	0.346785547	0.05 Sauces, instant and prepared
27160010	0.3	0.05 Sauces, instant and prepared
27160100	0.343496719	0.05 Sauces, instant and prepared
27162010	0.303343949	0.05 Sauces, instant and prepared
27162040	0.8125	0.05 Sauces, instant and prepared
27162050	0.804265042	0.05 Sauces, instant and prepared
27162060	0.8125	0.05 Sauces, instant and prepared
27163010	0.30389817	0.05 Sauces, instant and prepared
27211100	0.318998244	0.05 Sauces, instant and prepared
27211110	0.352663862	0.05 Sauces, instant and prepared
27211190	0.587016575	0.05 Sauces, instant and prepared
27211200	0.338613398	0.05 Sauces, instant and prepared

27211500	0.411498416	0.05 Sauces, instant and prepared
27212050	0.653080638	0.05 Sauces, instant and prepared
27212100	0.54923019	0.05 Sauces, instant and prepared
27212200	0.329205366	0.05 Sauces, instant and prepared
27212300	0.395348837	0.05 Sauces, instant and prepared
27212400	0.388177711	0.05 Sauces, instant and prepared
27212500	0.43804262	0.05 Sauces, instant and prepared
27213100	0.37439846	0.05 Sauces, instant and prepared
27213120	0.592061846	0.05 Sauces, instant and prepared
27213200	0.372068127	0.05 Sauces, instant and prepared
27213300	0.41735389	0.05 Sauces, instant and prepared
27213400	0.422478898	0.05 Sauces, instant and prepared
27213420	0.591291206	0.05 Sauces, instant and prepared
27213500	0.446797879	0.05 Sauces, instant and prepared
27213600	0.622161585	0.05 Sauces, instant and prepared
27214110	0.48656604	0.05 Sauces, instant and prepared
27220020	0.383301708	0.05 Sauces, instant and prepared
27220030	0.396261682	0.05 Sauces, instant and prepared
27220110	0.339162261	0.05 Sauces, instant and prepared
27220120	0.362745098	0.05 Sauces, instant and prepared
27220150	0.383301708	0.05 Sauces, instant and prepared
27220170	0.46013289	0.05 Sauces, instant and prepared
27220190	0.139492754	0.05 Sauces, instant and prepared
27220510	0.377633091	0.05 Sauces, instant and prepared
27220520	0.411231884	0.05 Sauces, instant and prepared
27221150	0.389159255	0.05 Sauces, instant and prepared
27231000	0.332648871	0.05 Sauces, instant and prepared
27232000	0.33551421	0.05 Sauces, instant and prepared
27233000	0.318658281	0.05 Sauces, instant and prepared
27235750	0.417144907	0.05 Sauces, instant and prepared
27236000	0.417144907	0.05 Sauces, instant and prepared
27241010	0.454442129	0.05 Sauces, instant and prepared
27242200	0.336057201	0.05 Sauces, instant and prepared
27242250	0.392239364	0.05 Sauces, instant and prepared
27242300	0.386792453	0.05 Sauces, instant and prepared

27242310	0.411231884	0.05 Sauces, instant and prepared
27242400	0.338893409	0.05 Sauces, instant and prepared
27242500	0.43804262	0.05 Sauces, instant and prepared
27243300	0.698921592	0.05 Sauces, instant and prepared
27243400	0.426200565	0.05 Sauces, instant and prepared
27243500	0.383301708	0.05 Sauces, instant and prepared
27243600	0.446797879	0.05 Sauces, instant and prepared
27243700	0.245024022	0.05 Sauces, instant and prepared
27246505	0.488624852	0.05 Sauces, instant and prepared
27250110	0.381894256	0.05 Sauces, instant and prepared
27250122	0.369544132	0.05 Sauces, instant and prepared
27250124	0.393939394	0.05 Sauces, instant and prepared
27250126	0.355478433	0.05 Sauces, instant and prepared
27250128	0.439263504	0.05 Sauces, instant and prepared
27250130	0.425287356	0.05 Sauces, instant and prepared
27250132	0.340101523	0.05 Sauces, instant and prepared
27250610	0.360937745	0.05 Sauces, instant and prepared
27250630	0.38830482	0.05 Sauces, instant and prepared
27250710	0.428320141	0.05 Sauces, instant and prepared
27250810	0.349088724	0.05 Sauces, instant and prepared
27250820	0.422530206	0.05 Sauces, instant and prepared
27250830	0.400866439	0.05 Sauces, instant and prepared
27250900	0.395292585	0.05 Sauces, instant and prepared
27250950	0.340168511	0.05 Sauces, instant and prepared
27260050	0.585795001	0.05 Sauces, instant and prepared
27260100	0.485206124	0.05 Sauces, instant and prepared
27311310	0.281825488	0.05 Sauces, instant and prepared
27311320	0.524587489	0.05 Sauces, instant and prepared
27311410	0.556818556	0.05 Sauces, instant and prepared
27311420	0.510697661	0.05 Sauces, instant and prepared
27311600	0.465284633	0.05 Sauces, instant and prepared
27311605	0.461028192	0.05 Sauces, instant and prepared
27311610	0.503437739	0.05 Sauces, instant and prepared
27311620	0.501533742	0.05 Sauces, instant and prepared
27311625	0.467300443	0.05 Sauces, instant and prepared

27311630	0.465108624	0.05 Sauces, instant and prepared
27311635	0.436936937	0.05 Sauces, instant and prepared
27311640	0.437034471	0.05 Sauces, instant and prepared
27311645	0.578572723	0.05 Sauces, instant and prepared
27311650	0.577649927	0.05 Sauces, instant and prepared
27313150	0.580222819	0.05 Sauces, instant and prepared
27313160	0.566157604	0.05 Sauces, instant and prepared
27313210	0.452151779	0.05 Sauces, instant and prepared
27313220	0.452170249	0.05 Sauces, instant and prepared
27313310	0.489033881	0.05 Sauces, instant and prepared
27313320	0.488993711	0.05 Sauces, instant and prepared
27313410	0.254366627	0.05 Sauces, instant and prepared
27313420	0.254323499	0.05 Sauces, instant and prepared
27315210	0.25	0.05 Sauces, instant and prepared
27315220	0.251046025	0.05 Sauces, instant and prepared
27315310	0.31152648	0.05 Sauces, instant and prepared
27315320	0.31152648	0.05 Sauces, instant and prepared
27315330	0.25987526	0.05 Sauces, instant and prepared
27315340	0.25974026	0.05 Sauces, instant and prepared
27315410	0.251973795	0.05 Sauces, instant and prepared
27315420	0.251889169	0.05 Sauces, instant and prepared
27315510	0.332054218	0.05 Sauces, instant and prepared
27315520	0.343229664	0.05 Sauces, instant and prepared
27317100	0.253699789	0.05 Sauces, instant and prepared
27317110	0.254237288	0.05 Sauces, instant and prepared
27320027	1	0.05 Sauces, instant and prepared
27320030	0.25987526	0.05 Sauces, instant and prepared
27320070	0.253164557	0.05 Sauces, instant and prepared
27320080	0.257731959	0.05 Sauces, instant and prepared
27320090	0.257731959	0.05 Sauces, instant and prepared
27320100	0.245901639	0.05 Sauces, instant and prepared
27320110	0.24691358	0.05 Sauces, instant and prepared
27320120	0.252312868	0.05 Sauces, instant and prepared
27320130	0.253378378	0.05 Sauces, instant and prepared
27320140	0.247811003	0.05 Sauces, instant and prepared

27320150	0.248838752	0.05	Sauces, instant and prepared
27320320	0.125332673	0.05	Sauces, instant and prepared
27320330	0.129596351	0.05	Sauces, instant and prepared
27320340	0.251046025	0.05	Sauces, instant and prepared
27320350	0.251046025	0.05	Sauces, instant and prepared
27320410	1	0.05	Sauces, instant and prepared
27320450	1	0.05	Sauces, instant and prepared
27330030	0.174334332	0.05	Sauces, instant and prepared
27330050	0.25518884	0.05	Sauces, instant and prepared
27330060	0.254237288	0.05	Sauces, instant and prepared
27330080	0.25518884	0.05	Sauces, instant and prepared
27330110	0.175004747	0.05	Sauces, instant and prepared
27330210	0.188899316	0.05	Sauces, instant and prepared
27330220	0.189344662	0.05	Sauces, instant and prepared
27332100	0.560802846	0.05	Sauces, instant and prepared
27332110	0.454696385	0.05	Sauces, instant and prepared
27336100	0.433522904	0.05	Sauces, instant and prepared
27336150	0.483262237	0.05	Sauces, instant and prepared
27336200	0.246710526	0.05	Sauces, instant and prepared
27336250	0.247729149	0.05	Sauces, instant and prepared
27336300	0.251046025	0.05	Sauces, instant and prepared
27336310	0.251046025	0.05	Sauces, instant and prepared
27341000	0.190426761	0.05	Sauces, instant and prepared
27341025	0.246791708	0.05	Sauces, instant and prepared
27341030	0.246791708	0.05	Sauces, instant and prepared
27341035	0.304414003	0.05	Sauces, instant and prepared
27341040	0.305576776	0.05	Sauces, instant and prepared
27341045	0.257643422	0.05	Sauces, instant and prepared
27341050	0.257643422	0.05	Sauces, instant and prepared
27341055	0.244897959	0.05	Sauces, instant and prepared
27341060	0.244897959	0.05	Sauces, instant and prepared
27341310	0.480803898	0.05	Sauces, instant and prepared
27341320	0.46552912	0.05	Sauces, instant and prepared
27341510	0.482800389	0.05	Sauces, instant and prepared
27341520	0.467519298	0.05	Sauces, instant and prepared

27343410	0.252058478	0.05 Sauces, instant and prepared
27343420	0.253036437	0.05 Sauces, instant and prepared
27343470	0.311623559	0.05 Sauces, instant and prepared
27343480	0.31152648	0.05 Sauces, instant and prepared
27343510	0.25	0.05 Sauces, instant and prepared
27343520	0.25	0.05 Sauces, instant and prepared
27343950	0.25987526	0.05 Sauces, instant and prepared
27343960	0.260869565	0.05 Sauces, instant and prepared
27345210	0.251046025	0.05 Sauces, instant and prepared
27345220	0.250396461	0.05 Sauces, instant and prepared
27345230	0.207074333	0.05 Sauces, instant and prepared
27345310	0.125332673	0.05 Sauces, instant and prepared
27345320	0.129596351	0.05 Sauces, instant and prepared
27345410	0.309119011	0.05 Sauces, instant and prepared
27345420	0.310318076	0.05 Sauces, instant and prepared
27345440	0.25987526	0.05 Sauces, instant and prepared
27345450	0.25987526	0.05 Sauces, instant and prepared
27345510	0.248962656	0.05 Sauces, instant and prepared
27345520	0.248962656	0.05 Sauces, instant and prepared
27347220	0.695652174	0.05 Sauces, instant and prepared
27347230	0.695652174	0.05 Sauces, instant and prepared
27347240	0.25210084	0.05 Sauces, instant and prepared
27347250	0.253164557	0.05 Sauces, instant and prepared
27350030	0.330054159	0.05 Sauces, instant and prepared
27350080	0.346214257	0.05 Sauces, instant and prepared
27350090	0.25987526	0.05 Sauces, instant and prepared
27350100	0.25987526	0.05 Sauces, instant and prepared
27350310	0.360344014	0.05 Sauces, instant and prepared
27350410	0.370056343	0.05 Sauces, instant and prepared
27411100	0.440528634	0.05 Sauces, instant and prepared
27411150	0.103626943	0.05 Sauces, instant and prepared
27411200	0.524843877	0.05 Sauces, instant and prepared
27414100	0.545454545	0.05 Sauces, instant and prepared
27414200	0.54569055	0.05 Sauces, instant and prepared
27415100	0.144124695	0.05 Sauces, instant and prepared

27415120	0.139135732	0.05 Sauces, instant and prepared
27415200	0.149791697	0.05 Sauces, instant and prepared
27415220	0.144353463	0.05 Sauces, instant and prepared
27416300	0.252665403	0.05 Sauces, instant and prepared
27416400	0.096691648	0.05 Sauces, instant and prepared
27416450	0.443262411	0.05 Sauces, instant and prepared
27416500	0.443131462	0.05 Sauces, instant and prepared
27418310	0.227531076	0.05 Sauces, instant and prepared
27420100	0.139135732	0.05 Sauces, instant and prepared
27420120	0.14998889	0.05 Sauces, instant and prepared
27420170	0.146374961	0.05 Sauces, instant and prepared
27420200	0.015790634	0.05 Sauces, instant and prepared
27420370	0.144410013	0.05 Sauces, instant and prepared
27420400	0.440528634	0.05 Sauces, instant and prepared
27420410	0.440399295	0.05 Sauces, instant and prepared
27420450	0.451807229	0.05 Sauces, instant and prepared
27420460	0.451807229	0.05 Sauces, instant and prepared
27420470	1	0.05 Sauces, instant and prepared
27420500	0.144124695	0.05 Sauces, instant and prepared
27420510	0.149791697	0.05 Sauces, instant and prepared
27430400	0.25498008	0.05 Sauces, instant and prepared
27430410	0.25498008	0.05 Sauces, instant and prepared
27430500	0.419809737	0.05 Sauces, instant and prepared
27430510	0.400644149	0.05 Sauces, instant and prepared
27430580	0.543478261	0.05 Sauces, instant and prepared
27430590	0.424728646	0.05 Sauces, instant and prepared
27442110	0.440140845	0.05 Sauces, instant and prepared
27442120	0.440011734	0.05 Sauces, instant and prepared
27443110	0.641291015	0.05 Sauces, instant and prepared
27443120	0.641161021	0.05 Sauces, instant and prepared
27445110	1	0.05 Sauces, instant and prepared
27445120	0.149791697	0.05 Sauces, instant and prepared
27445125	0.434153401	0.05 Sauces, instant and prepared
27445130	0.434027778	0.05 Sauces, instant and prepared
27446400	0.563373253	0.05 Sauces, instant and prepared

27446410	0.563591022	0.05	Sauces, instant and prepared
27448010	0.220148948	0.05	Sauces, instant and prepared
27448020	0.141921452	0.05	Sauces, instant and prepared
27450410	0.145746016	0.05	Sauces, instant and prepared
27450420	0.151465487	0.05	Sauces, instant and prepared
27450510	0.482720072	0.05	Sauces, instant and prepared
27450600	0.145746016	0.05	Sauces, instant and prepared
27450610	0.151465487	0.05	Sauces, instant and prepared
27450650	0.512820513	0.05	Sauces, instant and prepared
27450660	0.512820513	0.05	Sauces, instant and prepared
27450700	0.431034483	0.05	Sauces, instant and prepared
27450710	0.430910658	0.05	Sauces, instant and prepared
27450740	0.145746016	0.05	Sauces, instant and prepared
27450750	0.151465487	0.05	Sauces, instant and prepared
27451010	0.52238806	0.05	Sauces, instant and prepared
27451030	0.578556165	0.05	Sauces, instant and prepared
27510230	0.029513855	0.05	Sauces, instant and prepared
27510260	0.409649547	0.05	Sauces, instant and prepared
27510310	1	0.05	Sauces, instant and prepared
27510320	1	0.05	Sauces, instant and prepared
27510330	1	0.05	Sauces, instant and prepared
27510340	0.04080261	0.05	Sauces, instant and prepared
27510350	1	0.05	Sauces, instant and prepared
27510355	0.03454357	0.05	Sauces, instant and prepared
27510360	0.950617284	0.05	Sauces, instant and prepared
27510375	0.85	0.05	Sauces, instant and prepared
27510380	0.029745809	0.05	Sauces, instant and prepared
27510385	0.032051282	0.05	Sauces, instant and prepared
27510400	0.912844037	0.05	Sauces, instant and prepared
27510430	0.043478261	0.05	Sauces, instant and prepared
27510440	0.018144531	0.05	Sauces, instant and prepared
27510445	0	0.05	Sauces, instant and prepared
27510480	0.142309535	0.05	Sauces, instant and prepared
27510510	1	0.05	Sauces, instant and prepared
27510520	0.030176926	0.05	Sauces, instant and prepared

27510540	0	0.05 Sauces, instant and prepared
27510560	1	0.05 Sauces, instant and prepared
27510610	0	0.05 Sauces, instant and prepared
27510620	1	0.05 Sauces, instant and prepared
27510680	0	0.05 Sauces, instant and prepared
27510690	1	0.05 Sauces, instant and prepared
27510700	1	0.05 Sauces, instant and prepared
27510710	0.226035237	0.05 Sauces, instant and prepared
27510720	0.181712596	0.05 Sauces, instant and prepared
27513020	0.381675221	0.05 Sauces, instant and prepared
27513030	0.325874126	0.05 Sauces, instant and prepared
27513060	0.082015231	0.05 Sauces, instant and prepared
27517000	0.166590902	0.05 Sauces, instant and prepared
27517010	0.050730983	0.05 Sauces, instant and prepared
27518000	0.092844277	0.05 Sauces, instant and prepared
27520500	0.184989429	0.05 Sauces, instant and prepared
27520530	0.418472652	0.05 Sauces, instant and prepared
27540330	0.412171508	0.05 Sauces, instant and prepared
27560340	0	0.05 Sauces, instant and prepared
27560720	0.237113402	0.05 Sauces, instant and prepared
28110220	0.29503501	0.05 Sauces, instant and prepared
28110250	0.131408451	0.05 Sauces, instant and prepared
28110270	0.258732212	0.05 Sauces, instant and prepared
28110310	0.336780866	0.05 Sauces, instant and prepared
28110330	0.443343653	0.05 Sauces, instant and prepared
28110340	0.353324035	0.05 Sauces, instant and prepared
28110350	0.367101938	0.05 Sauces, instant and prepared
28110370	0.26552795	0.05 Sauces, instant and prepared
28110380	0.468399291	0.05 Sauces, instant and prepared
28110510	0.457403332	0.05 Sauces, instant and prepared
28110620	0.208027523	0.05 Sauces, instant and prepared
28110640	0.365741729	0.05 Sauces, instant and prepared
28110660	0.276386404	0.05 Sauces, instant and prepared
28113110	0.155771386	0.05 Sauces, instant and prepared
28120310	0.205480531	0.05 Sauces, instant and prepared

28133110	0.535842294	0.05 Sauces, instant and prepared
28133220	0.445410103	0.05 Sauces, instant and prepared
28140250	0.226640159	0.05 Sauces, instant and prepared
28140730	0.219541224	0.05 Sauces, instant and prepared
28140740	0.662118204	0.05 Sauces, instant and prepared
28141610	0.129539999	0.05 Sauces, instant and prepared
28143080	0.354656632	0.05 Sauces, instant and prepared
28143170	0.633862751	0.05 Sauces, instant and prepared
28143180	0.175738725	0.05 Sauces, instant and prepared
28143190	0.159574468	0.05 Sauces, instant and prepared
28143200	0.329	0.05 Sauces, instant and prepared
28143210	0.277072149	0.05 Sauces, instant and prepared
28143220	0.230538922	0.05 Sauces, instant and prepared
28144100	0.277272727	0.05 Sauces, instant and prepared
28145100	0.204795205	0.05 Sauces, instant and prepared
28145210	1	0.05 Sauces, instant and prepared
28145610	0.456155143	0.05 Sauces, instant and prepared
28150370	0.312043796	0.05 Sauces, instant and prepared
28150510	0.278609946	0.05 Sauces, instant and prepared
28153010	0.426661681	0.05 Sauces, instant and prepared
28154010	0.238286224	0.05 Sauces, instant and prepared
28160710	0.511795632	0.05 Sauces, instant and prepared
28500000	1	0.05 Sauces, instant and prepared
28500010	1	0.05 Sauces, instant and prepared
28500020	1	0.05 Sauces, instant and prepared
28500030	1	0.05 Sauces, instant and prepared
28500040	1	0.05 Sauces, instant and prepared
28500050	1	0.05 Sauces, instant and prepared
28500060	1	0.05 Sauces, instant and prepared
28500070	1	0.05 Sauces, instant and prepared
28500080	1	0.05 Sauces, instant and prepared
28500100	1	0.05 Sauces, instant and prepared
28500150	1	0.05 Sauces, instant and prepared
28501010	1	0.05 Sauces, instant and prepared
28501110	1	0.05 Sauces, instant and prepared

28510010	1	0.05 Sauces, instant and prepared
28510020	1	0.05 Sauces, instant and prepared
28510030	1	0.05 Sauces, instant and prepared
28520000	1	0.05 Sauces, instant and prepared
28520100	1	0.05 Sauces, instant and prepared
28522000	1	0.05 Sauces, instant and prepared
28522050	1	0.05 Sauces, instant and prepared
41205100	1	0.05 Sauces, instant and prepared
41420100	1	0.05 Sauces, instant and prepared
41420250	1	0.05 Sauces, instant and prepared
41420300	1	0.05 Sauces, instant and prepared
41420350	1	0.05 Sauces, instant and prepared
41420400	1	0.05 Sauces, instant and prepared
41420410	1	0.05 Sauces, instant and prepared
41420450	1	0.05 Sauces, instant and prepared
41811950	1	0.05 Sauces, instant and prepared
41812500	1	0.05 Sauces, instant and prepared
41812510	1	0.05 Sauces, instant and prepared
42204050	1	0.05 Sauces, instant and prepared
42204100	1	0.05 Sauces, instant and prepared
43103100	1	0.05 Sauces, instant and prepared
58100360	0.421919824	0.05 Sauces, instant and prepared
58100370	0.195350969	0.05 Sauces, instant and prepared
58100520	0.130087248	0.05 Sauces, instant and prepared
58100525	0.361445783	0.05 Sauces, instant and prepared
58100530	0.139969959	0.05 Sauces, instant and prepared
58100535	0.390946502	0.05 Sauces, instant and prepared
58100600	0.418448855	0.05 Sauces, instant and prepared
58100610	0.398394637	0.05 Sauces, instant and prepared
58100620	0.627611405	0.05 Sauces, instant and prepared
58100625	0.589112798	0.05 Sauces, instant and prepared
58100630	0.674830006	0.05 Sauces, instant and prepared
58100635	0.464383562	0.05 Sauces, instant and prepared
58100720	0.586568554	0.05 Sauces, instant and prepared
58100725	0.534433962	0.05 Sauces, instant and prepared

58100800	0.842562082	0.05	Sauces, instant and prepared
58100805	0.830508475	0.05	Sauces, instant and prepared
58100900	0.429467562	0.05	Sauces, instant and prepared
58101310	0.228404121	0.05	Sauces, instant and prepared
58101320	0.514243855	0.05	Sauces, instant and prepared
58101510	0.214254247	0.05	Sauces, instant and prepared
58101520	0.34927015	0.05	Sauces, instant and prepared
58101530	0.9	0.05	Sauces, instant and prepared
58101540	0.360403955	0.05	Sauces, instant and prepared
58101610	0.125504032	0.05	Sauces, instant and prepared
58101615	0.216350497	0.05	Sauces, instant and prepared
58101710	0.165870867	0.05	Sauces, instant and prepared
58101720	0.13988764	0.05	Sauces, instant and prepared
58101730	0.27941509	0.05	Sauces, instant and prepared
58101742	0.191133846	0.05	Sauces, instant and prepared
58101800	0.462659455	0.05	Sauces, instant and prepared
58101820	0.328535867	0.05	Sauces, instant and prepared
58101830	0.448830783	0.05	Sauces, instant and prepared
58103210	0.372857795	0.05	Sauces, instant and prepared
58104290	0.405232627	0.05	Sauces, instant and prepared
58104340	0.275778694	0.05	Sauces, instant and prepared
58107000	0.184418247	0.05	Sauces, instant and prepared
58120110	0.638027236	0.05	Sauces, instant and prepared
58126120	0.467392456	0.05	Sauces, instant and prepared
58126150	1	0.05	Sauces, instant and prepared
58126160	1	0.05	Sauces, instant and prepared
58126300	1	0.05	Sauces, instant and prepared
58126310	0.515881671	0.05	Sauces, instant and prepared
58127220	0.615685925	0.05	Sauces, instant and prepared
58128000	0.58	0.05	Sauces, instant and prepared
58131110	0.881617713	0.05	Sauces, instant and prepared
58131120	0.872627869	0.05	Sauces, instant and prepared
58131320	0.773009371	0.05	Sauces, instant and prepared
58131323	1	0.05	Sauces, instant and prepared
58131330	0.741357192	0.05	Sauces, instant and prepared

58131520	1	0.05 Sauces, instant and prepared
58131523	1	0.05 Sauces, instant and prepared
58131530	0.70030547	0.05 Sauces, instant and prepared
58131535	0.666416772	0.05 Sauces, instant and prepared
58131600	0.732686785	0.05 Sauces, instant and prepared
58131610	0.713147667	0.05 Sauces, instant and prepared
58132110	0.476677127	0.05 Sauces, instant and prepared
58132113	1	0.05 Sauces, instant and prepared
58132310	0.429035288	0.05 Sauces, instant and prepared
58132313	1	0.05 Sauces, instant and prepared
58132340	0.463105325	0.05 Sauces, instant and prepared
58132350	0.476677127	0.05 Sauces, instant and prepared
58132360	0.429035288	0.05 Sauces, instant and prepared
58132450	0.444568684	0.05 Sauces, instant and prepared
58132460	0.402848013	0.05 Sauces, instant and prepared
58132710	0.395663291	0.05 Sauces, instant and prepared
58132713	1	0.05 Sauces, instant and prepared
58132800	0.452972633	0.05 Sauces, instant and prepared
58132810	0.563205242	0.05 Sauces, instant and prepared
58132820	0.452972633	0.05 Sauces, instant and prepared
58132910	0.426229932	0.05 Sauces, instant and prepared
58133120	0.30068661	0.05 Sauces, instant and prepared
58133130	0.280579861	0.05 Sauces, instant and prepared
58133140	0.300774227	0.05 Sauces, instant and prepared
58134120	0.326252209	0.05 Sauces, instant and prepared
58134130	0.302714814	0.05 Sauces, instant and prepared
58134210	0.336242308	0.05 Sauces, instant and prepared
58134310	0.333633934	0.05 Sauces, instant and prepared
58134610	0.321531561	0.05 Sauces, instant and prepared
58134613	0.472	0.05 Sauces, instant and prepared
58134620	0.468085106	0.05 Sauces, instant and prepared
58134623	0.028084253	0.05 Sauces, instant and prepared
58134660	0.349457293	0.05 Sauces, instant and prepared
58134710	0.199580599	0.05 Sauces, instant and prepared
58145115	0.215879017	0.05 Sauces, instant and prepared

58146100	0.476677988	0.05 Sauces, instant and prepared
58146110	0.318434844	0.05 Sauces, instant and prepared
58146120	0.273719324	0.05 Sauces, instant and prepared
58146130	0.288573655	0.05 Sauces, instant and prepared
58146150	0.609347952	0.05 Sauces, instant and prepared
58146200	0.318282843	0.05 Sauces, instant and prepared
58146210	1	0.05 Sauces, instant and prepared
58146215	0.480591497	0.05 Sauces, instant and prepared
58146221	0.445969125	0.05 Sauces, instant and prepared
58146222	0.481481481	0.05 Sauces, instant and prepared
58146223	0.471014493	0.05 Sauces, instant and prepared
58146300	0.318434844	0.05 Sauces, instant and prepared
58146301	0.445969125	0.05 Sauces, instant and prepared
58146302	0.481481481	0.05 Sauces, instant and prepared
58146303	0.471014493	0.05 Sauces, instant and prepared
58146310	0.476677127	0.05 Sauces, instant and prepared
58146315	0.432612313	0.05 Sauces, instant and prepared
58146321	0.445969125	0.05 Sauces, instant and prepared
58146322	0.481481481	0.05 Sauces, instant and prepared
58146323	0.471014493	0.05 Sauces, instant and prepared
58146331	0.445969125	0.05 Sauces, instant and prepared
58146332	0.481481481	0.05 Sauces, instant and prepared
58146333	0.471014493	0.05 Sauces, instant and prepared
58146341	0.445969125	0.05 Sauces, instant and prepared
58146342	0.481481481	0.05 Sauces, instant and prepared
58146343	0.471014493	0.05 Sauces, instant and prepared
58146351	0.445969125	0.05 Sauces, instant and prepared
58146352	0.481481481	0.05 Sauces, instant and prepared
58146353	0.471014493	0.05 Sauces, instant and prepared
58146361	0.445969125	0.05 Sauces, instant and prepared
58146362	0.481481481	0.05 Sauces, instant and prepared
58146363	0.471014493	0.05 Sauces, instant and prepared
58146371	0.445969125	0.05 Sauces, instant and prepared
58146372	0.481481481	0.05 Sauces, instant and prepared
58146373	0.471014493	0.05 Sauces, instant and prepared

58146381	0.444444444	0.05 Sauces, instant and prepared
58146382	0.481481481	0.05 Sauces, instant and prepared
58146383	0.471014493	0.05 Sauces, instant and prepared
58146391	0.444444444	0.05 Sauces, instant and prepared
58146392	0.481481481	0.05 Sauces, instant and prepared
58146393	0.471014493	0.05 Sauces, instant and prepared
58146401	0.444444444	0.05 Sauces, instant and prepared
58146402	0.481481481	0.05 Sauces, instant and prepared
58146403	0.471014493	0.05 Sauces, instant and prepared
58146411	0.444444444	0.05 Sauces, instant and prepared
58146412	0.481481481	0.05 Sauces, instant and prepared
58146413	0.471014493	0.05 Sauces, instant and prepared
58146421	0.444444444	0.05 Sauces, instant and prepared
58146422	0.481481481	0.05 Sauces, instant and prepared
58146423	0.471014493	0.05 Sauces, instant and prepared
58146431	0.444444444	0.05 Sauces, instant and prepared
58146432	0.481481481	0.05 Sauces, instant and prepared
58146433	0.471014493	0.05 Sauces, instant and prepared
58146441	0.444444444	0.05 Sauces, instant and prepared
58146442	0.481481481	0.05 Sauces, instant and prepared
58146443	0.471014493	0.05 Sauces, instant and prepared
58146451	0.444444444	0.05 Sauces, instant and prepared
58146452	0.481481481	0.05 Sauces, instant and prepared
58146453	0.471014493	0.05 Sauces, instant and prepared
58146601	0.445969125	0.05 Sauces, instant and prepared
58146602	0.481481481	0.05 Sauces, instant and prepared
58146603	0.471014493	0.05 Sauces, instant and prepared
58146611	0.445969125	0.05 Sauces, instant and prepared
58146612	0.481481481	0.05 Sauces, instant and prepared
58146613	0.471014493	0.05 Sauces, instant and prepared
58146621	0.445969125	0.05 Sauces, instant and prepared
58146622	0.481481481	0.05 Sauces, instant and prepared
58146623	0.471014493	0.05 Sauces, instant and prepared
58146631	0.445969125	0.05 Sauces, instant and prepared
58146632	0.481481481	0.05 Sauces, instant and prepared

58146633	0.471014493	0.05 Sauces, instant and prepared
58146641	0.445969125	0.05 Sauces, instant and prepared
58146642	0.481481481	0.05 Sauces, instant and prepared
58146643	0.471014493	0.05 Sauces, instant and prepared
58146651	0.445969125	0.05 Sauces, instant and prepared
58146652	0.481481481	0.05 Sauces, instant and prepared
58146653	0.471014493	0.05 Sauces, instant and prepared
58146661	0.445969125	0.05 Sauces, instant and prepared
58146662	0.481481481	0.05 Sauces, instant and prepared
58146663	0.471014493	0.05 Sauces, instant and prepared
58146671	0.445969125	0.05 Sauces, instant and prepared
58146672	0.481481481	0.05 Sauces, instant and prepared
58146673	0.471014493	0.05 Sauces, instant and prepared
58146681	0.444444444	0.05 Sauces, instant and prepared
58146682	0.481481481	0.05 Sauces, instant and prepared
58146683	0.471014493	0.05 Sauces, instant and prepared
58146691	0.444444444	0.05 Sauces, instant and prepared
58146692	0.481481481	0.05 Sauces, instant and prepared
58146693	0.471014493	0.05 Sauces, instant and prepared
58146701	0.444444444	0.05 Sauces, instant and prepared
58146702	0.481481481	0.05 Sauces, instant and prepared
58146703	0.471014493	0.05 Sauces, instant and prepared
58146711	0.444444444	0.05 Sauces, instant and prepared
58146712	0.481481481	0.05 Sauces, instant and prepared
58146713	0.471014493	0.05 Sauces, instant and prepared
58146721	0.444444444	0.05 Sauces, instant and prepared
58146722	0.481481481	0.05 Sauces, instant and prepared
58146723	0.471014493	0.05 Sauces, instant and prepared
58146731	0.444444444	0.05 Sauces, instant and prepared
58146732	0.481481481	0.05 Sauces, instant and prepared
58146733	0.471014493	0.05 Sauces, instant and prepared
58146741	0.444444444	0.05 Sauces, instant and prepared
58146742	0.481481481	0.05 Sauces, instant and prepared
58146743	0.471014493	0.05 Sauces, instant and prepared
58146751	0.444444444	0.05 Sauces, instant and prepared

58146752	0.481481481	0.05 Sauces, instant and prepared
58146753	0.471014493	0.05 Sauces, instant and prepared
58147100	0.318316827	0.05 Sauces, instant and prepared
58147110	0.367553539	0.05 Sauces, instant and prepared
58160220	0.205189375	0.05 Sauces, instant and prepared
58160520	0.328262084	0.05 Sauces, instant and prepared
58160530	0.334502474	0.05 Sauces, instant and prepared
58160540	0.328262084	0.05 Sauces, instant and prepared
58160580	0.174565981	0.05 Sauces, instant and prepared
58160590	0.178089009	0.05 Sauces, instant and prepared
58160600	0.174565981	0.05 Sauces, instant and prepared
58160610	0.174565981	0.05 Sauces, instant and prepared
58160620	0.178089009	0.05 Sauces, instant and prepared
58160630	0.174565981	0.05 Sauces, instant and prepared
58160670	0.118496904	0.05 Sauces, instant and prepared
58160680	0.120940283	0.05 Sauces, instant and prepared
58160690	0.118496904	0.05 Sauces, instant and prepared
58161300	0.344292646	0.05 Sauces, instant and prepared
58161310	0.344292646	0.05 Sauces, instant and prepared
58161460	0.284956358	0.05 Sauces, instant and prepared
58161462	0.289647074	0.05 Sauces, instant and prepared
58161464	0.284956358	0.05 Sauces, instant and prepared
58161480	0.150338712	0.05 Sauces, instant and prepared
58161482	0.152944409	0.05 Sauces, instant and prepared
58161484	0.150338712	0.05 Sauces, instant and prepared
58161490	0.150338712	0.05 Sauces, instant and prepared
58161492	0.152944409	0.05 Sauces, instant and prepared
58161494	0.150338712	0.05 Sauces, instant and prepared
58161520	0.101750848	0.05 Sauces, instant and prepared
58161522	0.103547191	0.05 Sauces, instant and prepared
58161524	0.101750848	0.05 Sauces, instant and prepared
58163110	0.267140564	0.05 Sauces, instant and prepared
58164500	0.331209566	0.05 Sauces, instant and prepared
58164510	0.337477916	0.05 Sauces, instant and prepared
58164520	0.331209566	0.05 Sauces, instant and prepared

58164530	0.326419493	0.05 Sauces, instant and prepared
58164540	0.3326422	0.05 Sauces, instant and prepared
58164550	0.326419493	0.05 Sauces, instant and prepared
58164560	0.321768485	0.05 Sauces, instant and prepared
58164570	0.327945695	0.05 Sauces, instant and prepared
58164580	0.321768485	0.05 Sauces, instant and prepared
58164800	0.287681062	0.05 Sauces, instant and prepared
58164810	0.292398336	0.05 Sauces, instant and prepared
58164820	0.287681062	0.05 Sauces, instant and prepared
58164830	0.283254348	0.05 Sauces, instant and prepared
58164840	0.287928329	0.05 Sauces, instant and prepared
58164850	0.283254348	0.05 Sauces, instant and prepared
58164860	0.278963661	0.05 Sauces, instant and prepared
58164870	0.283594855	0.05 Sauces, instant and prepared
58164880	0.278963661	0.05 Sauces, instant and prepared
58165000	0.265346574	0.05 Sauces, instant and prepared
58165010	0.269354715	0.05 Sauces, instant and prepared
58165020	0.265346574	0.05 Sauces, instant and prepared
58165030	0.261137745	0.05 Sauces, instant and prepared
58165040	0.265105217	0.05 Sauces, instant and prepared
58165050	0.261137745	0.05 Sauces, instant and prepared
58165060	0.257061922	0.05 Sauces, instant and prepared
58165070	0.257061922	0.05 Sauces, instant and prepared
58165080	0.257061922	0.05 Sauces, instant and prepared
58165400	0.236658865	0.05 Sauces, instant and prepared
58165410	0.239841985	0.05 Sauces, instant and prepared
58165420	0.236658865	0.05 Sauces, instant and prepared
58165430	0.232761127	0.05 Sauces, instant and prepared
58165440	0.235907999	0.05 Sauces, instant and prepared
58165450	0.232761127	0.05 Sauces, instant and prepared
58165460	0.228990939	0.05 Sauces, instant and prepared
58165470	0.232102259	0.05 Sauces, instant and prepared
58165480	0.228990939	0.05 Sauces, instant and prepared
58301020	0.485	0.05 Sauces, instant and prepared
58301050	0.415415415	0.05 Sauces, instant and prepared

58301080	0.441367686	0.05	Sauces, instant and prepared
58302030	0.552645788	0.05	Sauces, instant and prepared
58302050	0.586535249	0.05	Sauces, instant and prepared
58302060	1	0.05	Sauces, instant and prepared
58302080	0.427427427	0.05	Sauces, instant and prepared
58303100	0.088888889	0.05	Sauces, instant and prepared
58303200	0.285714286	0.05	Sauces, instant and prepared
58304020	0.311788525	0.05	Sauces, instant and prepared
58304050	0.405617666	0.05	Sauces, instant and prepared
58304060	1	0.05	Sauces, instant and prepared
58304200	0.48732952	0.05	Sauces, instant and prepared
58304220	0.886432161	0.05	Sauces, instant and prepared
58304250	0.448583401	0.05	Sauces, instant and prepared
58304300	0.374722669	0.05	Sauces, instant and prepared
58304400	0.265704789	0.05	Sauces, instant and prepared
58305010	0.565344603	0.05	Sauces, instant and prepared
58305250	0.22037422	0.05	Sauces, instant and prepared
58306020	0.481128247	0.05	Sauces, instant and prepared
58306150	0.324351297	0.05	Sauces, instant and prepared
58503050	1	0.05	Sauces, instant and prepared
58509020	1	0.05	Sauces, instant and prepared
58509100	1	0.05	Sauces, instant and prepared
71106020	1	0.05	Sauces, instant and prepared
71106050	1	0.05	Sauces, instant and prepared
71106070	1	0.05	Sauces, instant and prepared
71301000	0.435888379	0.05	Sauces, instant and prepared
71501006	0.2	0.05	Sauces, instant and prepared
71501012	0.2	0.05	Sauces, instant and prepared
71501017	0.2	0.05	Sauces, instant and prepared
71501054	0.2	0.05	Sauces, instant and prepared
71501075	0.2	0.05	Sauces, instant and prepared
71507040	0.294286201	0.05	Sauces, instant and prepared
71507050	0.652751272	0.05	Sauces, instant and prepared
71507100	0.227645783	0.05	Sauces, instant and prepared
71508040	0.241844125	0.05	Sauces, instant and prepared

71508050	0.263711994	0.05	Sauces, instant and prepared
71508100	0.194945774	0.05	Sauces, instant and prepared
71508120	0.465534466	0.05	Sauces, instant and prepared
71931010	0.504770228	0.05	Sauces, instant and prepared
72125250	1	0.05	Sauces, instant and prepared
72125251	1	0.05	Sauces, instant and prepared
72125252	1	0.05	Sauces, instant and prepared
72125253	1	0.05	Sauces, instant and prepared
73102250	1	0.05	Sauces, instant and prepared
73102251	1	0.05	Sauces, instant and prepared
73102252	1	0.05	Sauces, instant and prepared
73102253	1	0.05	Sauces, instant and prepared
75340160	1	0.05	Sauces, instant and prepared
75401010	1	0.05	Sauces, instant and prepared
75401011	1	0.05	Sauces, instant and prepared
75401012	1	0.05	Sauces, instant and prepared
75401013	1	0.05	Sauces, instant and prepared
75402010	1	0.05	Sauces, instant and prepared
75402011	1	0.05	Sauces, instant and prepared
75402012	1	0.05	Sauces, instant and prepared
75402013	1	0.05	Sauces, instant and prepared
75402020	1	0.05	Sauces, instant and prepared
75402021	1	0.05	Sauces, instant and prepared
75402022	1	0.05	Sauces, instant and prepared
75402023	1	0.05	Sauces, instant and prepared
75403010	1	0.05	Sauces, instant and prepared
75403011	1	0.05	Sauces, instant and prepared
75403012	1	0.05	Sauces, instant and prepared
75403013	1	0.05	Sauces, instant and prepared
75403020	1	0.05	Sauces, instant and prepared
75403021	1	0.05	Sauces, instant and prepared
75403022	1	0.05	Sauces, instant and prepared
75403023	1	0.05	Sauces, instant and prepared
75404010	1	0.05	Sauces, instant and prepared
75404011	1	0.05	Sauces, instant and prepared

75404012	1	0.05 Sauces, instant and prepared
75404013	1	0.05 Sauces, instant and prepared
75405010	1	0.05 Sauces, instant and prepared
75411030	1	0.05 Sauces, instant and prepared
75411031	1	0.05 Sauces, instant and prepared
75411032	1	0.05 Sauces, instant and prepared
75411033	1	0.05 Sauces, instant and prepared
75412070	1	0.05 Sauces, instant and prepared
75417020	1	0.05 Sauces, instant and prepared
75417021	1	0.05 Sauces, instant and prepared
75417022	1	0.05 Sauces, instant and prepared
75417023	1	0.05 Sauces, instant and prepared
75417030	1	0.05 Sauces, instant and prepared
75417031	1	0.05 Sauces, instant and prepared
75417032	1	0.05 Sauces, instant and prepared
75417033	1	0.05 Sauces, instant and prepared
75418030	1	0.05 Sauces, instant and prepared
75418040	1	0.05 Sauces, instant and prepared
75440100	1	0.05 Sauces, instant and prepared
75440110	1	0.05 Sauces, instant and prepared
75440300	1	0.05 Sauces, instant and prepared
75440310	1	0.05 Sauces, instant and prepared
75440500	1	0.05 Sauces, instant and prepared
75440510	1	0.05 Sauces, instant and prepared
75450500	1	0.05 Sauces, instant and prepared
75450510	1	0.05 Sauces, instant and prepared
75450600	1	0.05 Sauces, instant and prepared
75460800	1	0.05 Sauces, instant and prepared
75460810	1	0.05 Sauces, instant and prepared
75506100	1	0.05 Sauces, instant and prepared
75511010	1	0.05 Sauces, instant and prepared
81301000	1	0.05 Sauces, instant and prepared
81301020	1	0.05 Sauces, instant and prepared
81302010	1	0.05 Sauces, instant and prepared
81302020	1	0.05 Sauces, instant and prepared

81302030	1	0.05 Sauces, instant and prepared
81302050	1	0.05 Sauces, instant and prepared
81302060	1	0.05 Sauces, instant and prepared
81302070	1	0.05 Sauces, instant and prepared
81312000	1	0.05 Sauces, instant and prepared
91303750	1	0.05 Sauces, instant and prepared
91304050	1	0.05 Sauces, instant and prepared
91361010	1	0.05 Sauces, instant and prepared
91361020	1	0.05 Sauces, instant and prepared
91361030	1	0.05 Sauces, instant and prepared
91361040	1	0.05 Sauces, instant and prepared
91361050	1	0.05 Sauces, instant and prepared
91361070	1	0.05 Sauces, instant and prepared
99998130	1	0.05 Sauces, instant and prepared
12320200	1	0.2 Reduced-fat salad dressing, pourable and spoonable
14670000	1	0.2 Reduced-fat salad dressing, pourable and spoonable
27446200	1	0.2 Reduced-fat salad dressing, pourable and spoonable
27446225	1	0.2 Reduced-fat salad dressing, pourable and spoonable
27446230	1	0.2 Reduced-fat salad dressing, pourable and spoonable
27446235	1	0.2 Reduced-fat salad dressing, pourable and spoonable
27446240	1	0.2 Reduced-fat salad dressing, pourable and spoonable
27446245	1	0.2 Reduced-fat salad dressing, pourable and spoonable
27446250	1	0.2 Reduced-fat salad dressing, pourable and spoonable
27446255	1	0.2 Reduced-fat salad dressing, pourable and spoonable
27446260	1	0.2 Reduced-fat salad dressing, pourable and spoonable
27450060	1	0.2 Reduced-fat salad dressing, pourable and spoonable
27450061	1	0.2 Reduced-fat salad dressing, pourable and spoonable
27450062	1	0.2 Reduced-fat salad dressing, pourable and spoonable
27450063	1	0.2 Reduced-fat salad dressing, pourable and spoonable
27450064	1	0.2 Reduced-fat salad dressing, pourable and spoonable
27450065	1	0.2 Reduced-fat salad dressing, pourable and spoonable
27450066	1	0.2 Reduced-fat salad dressing, pourable and spoonable
27450067	1	0.2 Reduced-fat salad dressing, pourable and spoonable
27450068	1	0.2 Reduced-fat salad dressing, pourable and spoonable
27510220	1	0.2 Reduced-fat salad dressing, pourable and spoonable

27510230	1	0.2 Reduced-fat salad dressing, pourable and spoonable
27510250	1	0.2 Reduced-fat salad dressing, pourable and spoonable
27510280	1	0.2 Reduced-fat salad dressing, pourable and spoonable
27510300	1	0.2 Reduced-fat salad dressing, pourable and spoonable
27510340	1	0.2 Reduced-fat salad dressing, pourable and spoonable
27510350	1	0.2 Reduced-fat salad dressing, pourable and spoonable
27510355	1	0.2 Reduced-fat salad dressing, pourable and spoonable
27510359	1	0.2 Reduced-fat salad dressing, pourable and spoonable
27510360	1	0.2 Reduced-fat salad dressing, pourable and spoonable
27510370	1	0.2 Reduced-fat salad dressing, pourable and spoonable
27510380	1	0.2 Reduced-fat salad dressing, pourable and spoonable
27510425	1	0.2 Reduced-fat salad dressing, pourable and spoonable
27510430	1	0.2 Reduced-fat salad dressing, pourable and spoonable
27510435	1	0.2 Reduced-fat salad dressing, pourable and spoonable
27510440	1	0.2 Reduced-fat salad dressing, pourable and spoonable
27510520	1	0.2 Reduced-fat salad dressing, pourable and spoonable
27510550	1	0.2 Reduced-fat salad dressing, pourable and spoonable
27510560	1	0.2 Reduced-fat salad dressing, pourable and spoonable
27510570	1	0.2 Reduced-fat salad dressing, pourable and spoonable
27510590	1	0.2 Reduced-fat salad dressing, pourable and spoonable
27510630	1	0.2 Reduced-fat salad dressing, pourable and spoonable
27510660	1	0.2 Reduced-fat salad dressing, pourable and spoonable
27510670	1	0.2 Reduced-fat salad dressing, pourable and spoonable
27510690	1	0.2 Reduced-fat salad dressing, pourable and spoonable
27515150	1	0.2 Reduced-fat salad dressing, pourable and spoonable
32103000	1	0.2 Reduced-fat salad dressing, pourable and spoonable
32103015	1	0.2 Reduced-fat salad dressing, pourable and spoonable
32103020	1	0.2 Reduced-fat salad dressing, pourable and spoonable
32103025	1	0.2 Reduced-fat salad dressing, pourable and spoonable
32103030	1	0.2 Reduced-fat salad dressing, pourable and spoonable
32103035	1	0.2 Reduced-fat salad dressing, pourable and spoonable
32103040	1	0.2 Reduced-fat salad dressing, pourable and spoonable
32103045	1	0.2 Reduced-fat salad dressing, pourable and spoonable
32103050	1	0.2 Reduced-fat salad dressing, pourable and spoonable
53104900	1	0.2 Reduced-fat salad dressing, pourable and spoonable

71603010	1	0.2 Reduced-fat salad dressing, pourable and spoonable
71603015	1	0.2 Reduced-fat salad dressing, pourable and spoonable
71603020	1	0.2 Reduced-fat salad dressing, pourable and spoonable
71603025	1	0.2 Reduced-fat salad dressing, pourable and spoonable
71603030	1	0.2 Reduced-fat salad dressing, pourable and spoonable
71603035	1	0.2 Reduced-fat salad dressing, pourable and spoonable
71603040	1	0.2 Reduced-fat salad dressing, pourable and spoonable
71603045	1	0.2 Reduced-fat salad dressing, pourable and spoonable
71603050	1	0.2 Reduced-fat salad dressing, pourable and spoonable
83100100	1	0.2 Reduced-fat salad dressing, pourable and spoonable
83100200	1	0.2 Reduced-fat salad dressing, pourable and spoonable
83101000	1	0.2 Reduced-fat salad dressing, pourable and spoonable
83101500	1	0.2 Reduced-fat salad dressing, pourable and spoonable
83101600	1	0.2 Reduced-fat salad dressing, pourable and spoonable
83102000	1	0.2 Reduced-fat salad dressing, pourable and spoonable
83103000	1	0.2 Reduced-fat salad dressing, pourable and spoonable
83103500	1	0.2 Reduced-fat salad dressing, pourable and spoonable
83104000	1	0.2 Reduced-fat salad dressing, pourable and spoonable
83105000	1	0.2 Reduced-fat salad dressing, pourable and spoonable
83105100	1	0.2 Reduced-fat salad dressing, pourable and spoonable
83105500	1	0.2 Reduced-fat salad dressing, pourable and spoonable
83106000	1	0.2 Reduced-fat salad dressing, pourable and spoonable
83107000	1	0.2 Reduced-fat salad dressing, pourable and spoonable
83107100	1	0.2 Reduced-fat salad dressing, pourable and spoonable
83107200	1	0.2 Reduced-fat salad dressing, pourable and spoonable
83108000	1	0.2 Reduced-fat salad dressing, pourable and spoonable
83108100	1	0.2 Reduced-fat salad dressing, pourable and spoonable
83109000	1	0.2 Reduced-fat salad dressing, pourable and spoonable
83110000	1	0.2 Reduced-fat salad dressing, pourable and spoonable
83110010	1	0.2 Reduced-fat salad dressing, pourable and spoonable
83111000	1	0.2 Reduced-fat salad dressing, pourable and spoonable
83112000	1	0.2 Reduced-fat salad dressing, pourable and spoonable
83112500	1	0.2 Reduced-fat salad dressing, pourable and spoonable
83112600	1	0.2 Reduced-fat salad dressing, pourable and spoonable
83112900	1	0.2 Reduced-fat salad dressing, pourable and spoonable

83112950	1	0.2 Reduced-fat salad dressing, pourable and spoonable
83112960	1	0.2 Reduced-fat salad dressing, pourable and spoonable
83112980	1	0.2 Reduced-fat salad dressing, pourable and spoonable
83112990	1	0.2 Reduced-fat salad dressing, pourable and spoonable
83113000	1	0.2 Reduced-fat salad dressing, pourable and spoonable
83114000	1	0.2 Reduced-fat salad dressing, pourable and spoonable
83115000	1	0.2 Reduced-fat salad dressing, pourable and spoonable
83200100	1	0.2 Reduced-fat salad dressing, pourable and spoonable
83201000	1	0.2 Reduced-fat salad dressing, pourable and spoonable
83201050	1	0.2 Reduced-fat salad dressing, pourable and spoonable
83201200	1	0.2 Reduced-fat salad dressing, pourable and spoonable
83201400	1	0.2 Reduced-fat salad dressing, pourable and spoonable
83202000	1	0.2 Reduced-fat salad dressing, pourable and spoonable
83202010	1	0.2 Reduced-fat salad dressing, pourable and spoonable
83202020	1	0.2 Reduced-fat salad dressing, pourable and spoonable
83203000	1	0.2 Reduced-fat salad dressing, pourable and spoonable
83203250	1	0.2 Reduced-fat salad dressing, pourable and spoonable
83204000	1	0.2 Reduced-fat salad dressing, pourable and spoonable
83204010	1	0.2 Reduced-fat salad dressing, pourable and spoonable
83204020	1	0.2 Reduced-fat salad dressing, pourable and spoonable
83204030	1	0.2 Reduced-fat salad dressing, pourable and spoonable
83204050	1	0.2 Reduced-fat salad dressing, pourable and spoonable
83204060	1	0.2 Reduced-fat salad dressing, pourable and spoonable
83204500	1	0.2 Reduced-fat salad dressing, pourable and spoonable
83205000	1	0.2 Reduced-fat salad dressing, pourable and spoonable
83205450	1	0.2 Reduced-fat salad dressing, pourable and spoonable
83205500	1	0.2 Reduced-fat salad dressing, pourable and spoonable
83206000	1	0.2 Reduced-fat salad dressing, pourable and spoonable
83206500	1	0.2 Reduced-fat salad dressing, pourable and spoonable
83207000	1	0.2 Reduced-fat salad dressing, pourable and spoonable
83207100	1	0.2 Reduced-fat salad dressing, pourable and spoonable
83208000	1	0.2 Reduced-fat salad dressing, pourable and spoonable
83208500	1	0.2 Reduced-fat salad dressing, pourable and spoonable
83209000	1	0.2 Reduced-fat salad dressing, pourable and spoonable
83210000	1	0.2 Reduced-fat salad dressing, pourable and spoonable

83210050	1	0.2 Reduced-fat salad dressing, pourable and spoonable
83210100	1	0.2 Reduced-fat salad dressing, pourable and spoonable
83210200	1	0.2 Reduced-fat salad dressing, pourable and spoonable
83210250	1	0.2 Reduced-fat salad dressing, pourable and spoonable
83220000	1	0.2 Reduced-fat salad dressing, pourable and spoonable
83300100	1	0.2 Reduced-fat salad dressing, pourable and spoonable
83300200	1	0.2 Reduced-fat salad dressing, pourable and spoonable
83300300	1	0.2 Reduced-fat salad dressing, pourable and spoonable
83300400	1	0.2 Reduced-fat salad dressing, pourable and spoonable
83300500	1	0.2 Reduced-fat salad dressing, pourable and spoonable
83300600	1	0.2 Reduced-fat salad dressing, pourable and spoonable
83300700	1	0.2 Reduced-fat salad dressing, pourable and spoonable
83300800	1	0.2 Reduced-fat salad dressing, pourable and spoonable
83300900	1	0.2 Reduced-fat salad dressing, pourable and spoonable
83301000	1	0.2 Reduced-fat salad dressing, pourable and spoonable
53101200	1	0.2 Reduced-sugar snack-based fillings
53101250	1	0.2 Reduced-sugar snack-based fillings
53102200	1	0.2 Reduced-sugar snack-based fillings
53102700	1	0.2 Reduced-sugar snack-based fillings
53104260	1	0.2 Reduced-sugar snack-based fillings
53104400	1	0.2 Reduced-sugar snack-based fillings
53104950	1	0.2 Reduced-sugar snack-based fillings
53105200	1	0.2 Reduced-sugar snack-based fillings
53105260	1	0.2 Reduced-sugar snack-based fillings
53105270	1	0.2 Reduced-sugar snack-based fillings
53105300	1	0.2 Reduced-sugar snack-based fillings
53105600	1	0.2 Reduced-sugar snack-based fillings
53105650	1	0.2 Reduced-sugar snack-based fillings
53105750	1	0.2 Reduced-sugar snack-based fillings
53106050	1	0.2 Reduced-sugar snack-based fillings
53108200	1	0.2 Reduced-sugar snack-based fillings
53108220	1	0.2 Reduced-sugar snack-based fillings
53109200	1	0.2 Reduced-sugar snack-based fillings
53109210	1	0.2 Reduced-sugar snack-based fillings
53109220	1	0.2 Reduced-sugar snack-based fillings

53109250	1	0.2 Reduced-sugar snack-based fillings
53109300	1	0.2 Reduced-sugar snack-based fillings
53114100	1	0.2 Reduced-sugar snack-based fillings
53115200	1	0.2 Reduced-sugar snack-based fillings
53115320	1	0.2 Reduced-sugar snack-based fillings
53116020	1	0.2 Reduced-sugar snack-based fillings
53116510	1	0.2 Reduced-sugar snack-based fillings
53117200	1	0.2 Reduced-sugar snack-based fillings
53118200	1	0.2 Reduced-sugar snack-based fillings
53120270	1	0.2 Reduced-sugar snack-based fillings
53121270	1	0.2 Reduced-sugar snack-based fillings
53204100	1	0.2 Reduced-sugar snack-based fillings
53204500	1	0.2 Reduced-sugar snack-based fillings
53206050	1	0.2 Reduced-sugar snack-based fillings
53206100	1	0.2 Reduced-sugar snack-based fillings
53207050	1	0.2 Reduced-sugar snack-based fillings
53209000	1	0.2 Reduced-sugar snack-based fillings
53209010	1	0.2 Reduced-sugar snack-based fillings
53209015	1	0.2 Reduced-sugar snack-based fillings
53209020	1	0.2 Reduced-sugar snack-based fillings
53209050	1	0.2 Reduced-sugar snack-based fillings
53209100	1	0.2 Reduced-sugar snack-based fillings
53209500	1	0.2 Reduced-sugar snack-based fillings
53210900	1	0.2 Reduced-sugar snack-based fillings
53220000	1	0.2 Reduced-sugar snack-based fillings
53220010	1	0.2 Reduced-sugar snack-based fillings
53220020	1	0.2 Reduced-sugar snack-based fillings
53220030	1	0.2 Reduced-sugar snack-based fillings
53220040	1	0.2 Reduced-sugar snack-based fillings
53233020	1	0.2 Reduced-sugar snack-based fillings
53233050	1	0.2 Reduced-sugar snack-based fillings
53233080	1	0.2 Reduced-sugar snack-based fillings
53235000	1	0.2 Reduced-sugar snack-based fillings
53235500	1	0.2 Reduced-sugar snack-based fillings
53237010	1	0.2 Reduced-sugar snack-based fillings

53238000	1	0.2 Reduced-sugar snack-based fillings
53239050	1	0.2 Reduced-sugar snack-based fillings
53243000	1	0.2 Reduced-sugar snack-based fillings
53243010	1	0.2 Reduced-sugar snack-based fillings
53243050	1	0.2 Reduced-sugar snack-based fillings
53243100	1	0.2 Reduced-sugar snack-based fillings
53244010	1	0.2 Reduced-sugar snack-based fillings
53244020	1	0.2 Reduced-sugar snack-based fillings
53260300	1	0.2 Reduced-sugar snack-based fillings
53344200	1	0.2 Reduced-sugar snack-based fillings
53400200	1	0.2 Reduced-sugar snack-based fillings
53400300	1	0.2 Reduced-sugar snack-based fillings
53420000	1	0.2 Reduced-sugar snack-based fillings
53420100	1	0.2 Reduced-sugar snack-based fillings
53420200	1	0.2 Reduced-sugar snack-based fillings
53420210	1	0.2 Reduced-sugar snack-based fillings
53430000	1	0.2 Reduced-sugar snack-based fillings
53430100	1	0.2 Reduced-sugar snack-based fillings
53430200	1	0.2 Reduced-sugar snack-based fillings
53430300	1	0.2 Reduced-sugar snack-based fillings
53440000	1	0.2 Reduced-sugar snack-based fillings
53440300	1	0.2 Reduced-sugar snack-based fillings
53440500	1	0.2 Reduced-sugar snack-based fillings
53440600	1	0.2 Reduced-sugar snack-based fillings
53440700	1	0.2 Reduced-sugar snack-based fillings
53440750	1	0.2 Reduced-sugar snack-based fillings
53440800	1	0.2 Reduced-sugar snack-based fillings
53450000	1	0.2 Reduced-sugar snack-based fillings
53450300	1	0.2 Reduced-sugar snack-based fillings
53450500	1	0.2 Reduced-sugar snack-based fillings
53450800	1	0.2 Reduced-sugar snack-based fillings
53451000	1	0.2 Reduced-sugar snack-based fillings
53451500	1	0.2 Reduced-sugar snack-based fillings
53451750	1	0.2 Reduced-sugar snack-based fillings
53452100	1	0.2 Reduced-sugar snack-based fillings

53452120	1	0.2	Reduced-sugar snack-based fillings
53452130	1	0.2	Reduced-sugar snack-based fillings
53452420	1	0.2	Reduced-sugar snack-based fillings
53452450	1	0.2	Reduced-sugar snack-based fillings
53453150	1	0.2	Reduced-sugar snack-based fillings
53453170	1	0.2	Reduced-sugar snack-based fillings
53500100	1	0.2	Reduced-sugar snack-based fillings
53500200	1	0.2	Reduced-sugar snack-based fillings
53510100	1	0.2	Reduced-sugar snack-based fillings
53510200	1	0.2	Reduced-sugar snack-based fillings
53511000	1	0.2	Reduced-sugar snack-based fillings
53521140	1	0.2	Reduced-sugar snack-based fillings
53521210	1	0.2	Reduced-sugar snack-based fillings
53521220	1	0.2	Reduced-sugar snack-based fillings
53521230	1	0.2	Reduced-sugar snack-based fillings
53540200	1	0.2	Reduced-sugar snack-based fillings
53540250	1	0.2	Reduced-sugar snack-based fillings
53610200	1	0.2	Reduced-sugar snack-based fillings
53610250	1	0.2	Reduced-sugar snack-based fillings
53714520	1	0.2	Reduced-sugar snack-based fillings
53801000	1	0.2	Reduced-sugar snack-based fillings
54102200	1	0.2	Reduced-sugar snack-based fillings
54327950	1	0.2	Reduced-sugar snack-based fillings
54328000	1	0.2	Reduced-sugar snack-based fillings
54328100	1	0.2	Reduced-sugar snack-based fillings
54328105	1	0.2	Reduced-sugar snack-based fillings
54328110	1	0.2	Reduced-sugar snack-based fillings
54328120	1	0.2	Reduced-sugar snack-based fillings
54328200	1	0.2	Reduced-sugar snack-based fillings
54328210	1	0.2	Reduced-sugar snack-based fillings
54408290	0.332005312	0.2	Reduced-sugar snack-based fillings
54408300	0.332005312	0.2	Reduced-sugar snack-based fillings
54408310	0.332005312	0.2	Reduced-sugar snack-based fillings
54408470	0.130434783	0.2	Reduced-sugar snack-based fillings
13412000	1	0.016	Carrier in flavor blends

14660200	1	0.016	Carrier in flavor blends
14660200	1	0.016	Carrier in flavor blends
14710100	1	0.016	Carrier in flavor blends
14710100	1	0.016	Carrier in flavor blends
14710110	1	0.016	Carrier in flavor blends
14710200	1	0.016	Carrier in flavor blends
14710200	1	0.016	Carrier in flavor blends
21103110	1	0.016	Carrier in flavor blends
21103110	1	0.016	Carrier in flavor blends
21103120	1	0.016	Carrier in flavor blends
21103120	1	0.016	Carrier in flavor blends
21103130	1	0.016	Carrier in flavor blends
21103130	1	0.016	Carrier in flavor blends
21500200	1	0.016	Carrier in flavor blends
22000300	1	0.016	Carrier in flavor blends
22000300	1	0.016	Carrier in flavor blends
22000310	1	0.016	Carrier in flavor blends
22000310	1	0.016	Carrier in flavor blends
22000320	1	0.016	Carrier in flavor blends
22000320	1	0.016	Carrier in flavor blends
22002100	1	0.016	Carrier in flavor blends
22002100	1	0.016	Carrier in flavor blends
22101130	1	0.016	Carrier in flavor blends
22101130	1	0.016	Carrier in flavor blends
22101140	1	0.016	Carrier in flavor blends
22101140	1	0.016	Carrier in flavor blends
22101150	1	0.016	Carrier in flavor blends
22101150	1	0.016	Carrier in flavor blends
22101300	1	0.016	Carrier in flavor blends
22101300	1	0.016	Carrier in flavor blends
22101310	1	0.016	Carrier in flavor blends
22101310	1	0.016	Carrier in flavor blends
22101320	1	0.016	Carrier in flavor blends
22101320	1	0.016	Carrier in flavor blends
22201300	1	0.016	Carrier in flavor blends

22201300	1	0.016	Carrier in flavor blends
22201310	1	0.016	Carrier in flavor blends
22201310	1	0.016	Carrier in flavor blends
22201320	1	0.016	Carrier in flavor blends
22201320	1	0.016	Carrier in flavor blends
22201400	1	0.016	Carrier in flavor blends
22201400	1	0.016	Carrier in flavor blends
22201410	1	0.016	Carrier in flavor blends
22201410	1	0.016	Carrier in flavor blends
22201420	1	0.016	Carrier in flavor blends
22201420	1	0.016	Carrier in flavor blends
22210310	1	0.016	Carrier in flavor blends
22300150	1	0.016	Carrier in flavor blends
22300150	1	0.016	Carrier in flavor blends
22300160	1	0.016	Carrier in flavor blends
22300160	1	0.016	Carrier in flavor blends
22300170	1	0.016	Carrier in flavor blends
22300170	1	0.016	Carrier in flavor blends
23220030	1	0.016	Carrier in flavor blends
23311120	1	0.016	Carrier in flavor blends
23321250	1	0.016	Carrier in flavor blends
23321250	1	0.016	Carrier in flavor blends
24168001	1	0.016	Carrier in flavor blends
24168011	1	0.016	Carrier in flavor blends
24168021	1	0.016	Carrier in flavor blends
24198671	1	0.016	Carrier in flavor blends
24198677	1	0.016	Carrier in flavor blends
24198690	1	0.016	Carrier in flavor blends
24198695	1	0.016	Carrier in flavor blends
24198700	1	0.016	Carrier in flavor blends
24198710	1	0.016	Carrier in flavor blends
24198741	1	0.016	Carrier in flavor blends
24198742	1	0.016	Carrier in flavor blends
24198745	1	0.016	Carrier in flavor blends
24198746	1	0.016	Carrier in flavor blends

24198747	1	0.016	Carrier in flavor blends
24201050	1	0.016	Carrier in flavor blends
24201060	1	0.016	Carrier in flavor blends
24201060	1	0.016	Carrier in flavor blends
24201070	1	0.016	Carrier in flavor blends
24201070	1	0.016	Carrier in flavor blends
25210120	1	0.016	Carrier in flavor blends
26100130	1	0.016	Carrier in flavor blends
26100140	1	0.016	Carrier in flavor blends
26100230	1	0.016	Carrier in flavor blends
26100240	1	0.016	Carrier in flavor blends
26103140	1	0.016	Carrier in flavor blends
26105140	1	0.016	Carrier in flavor blends
26107130	1	0.016	Carrier in flavor blends
26107140	1	0.016	Carrier in flavor blends
26109130	1	0.016	Carrier in flavor blends
26109140	1	0.016	Carrier in flavor blends
26111130	1	0.016	Carrier in flavor blends
26111140	1	0.016	Carrier in flavor blends
26115130	1	0.016	Carrier in flavor blends
26115140	1	0.016	Carrier in flavor blends
26117130	1	0.016	Carrier in flavor blends
26117140	1	0.016	Carrier in flavor blends
26119140	1	0.016	Carrier in flavor blends
26121140	1	0.016	Carrier in flavor blends
26123140	1	0.016	Carrier in flavor blends
26125130	1	0.016	Carrier in flavor blends
26125140	1	0.016	Carrier in flavor blends
26127130	1	0.016	Carrier in flavor blends
26127140	1	0.016	Carrier in flavor blends
26129140	1	0.016	Carrier in flavor blends
26131140	1	0.016	Carrier in flavor blends
26133130	1	0.016	Carrier in flavor blends
26133140	1	0.016	Carrier in flavor blends
26135140	1	0.016	Carrier in flavor blends

26137140	1	0.016	Carrier in flavor blends
26141130	1	0.016	Carrier in flavor blends
26141140	1	0.016	Carrier in flavor blends
26145140	1	0.016	Carrier in flavor blends
26147140	1	0.016	Carrier in flavor blends
26149140	1	0.016	Carrier in flavor blends
26151130	1	0.016	Carrier in flavor blends
26151140	1	0.016	Carrier in flavor blends
26153140	1	0.016	Carrier in flavor blends
26157130	1	0.016	Carrier in flavor blends
26157140	1	0.016	Carrier in flavor blends
26158020	1	0.016	Carrier in flavor blends
26158030	1	0.016	Carrier in flavor blends
26213140	1	0.016	Carrier in flavor blends
26301140	1	0.016	Carrier in flavor blends
26303140	1	0.016	Carrier in flavor blends
26307140	1	0.016	Carrier in flavor blends
26309140	1	0.016	Carrier in flavor blends
26311140	1	0.016	Carrier in flavor blends
26315140	1	0.016	Carrier in flavor blends
26317140	1	0.016	Carrier in flavor blends
26319140	1	0.016	Carrier in flavor blends
27112000	1	0.016	Carrier in flavor blends
27112000	1	0.016	Carrier in flavor blends
27112010	1	0.016	Carrier in flavor blends
27112010	1	0.016	Carrier in flavor blends
27114000	1	0.016	Carrier in flavor blends
27116350	1	0.016	Carrier in flavor blends
27116350	1	0.016	Carrier in flavor blends
27118120	1	0.016	Carrier in flavor blends
27118120	1	0.016	Carrier in flavor blends
27118140	1	0.016	Carrier in flavor blends
27118180	1	0.016	Carrier in flavor blends
27118180	1	0.016	Carrier in flavor blends
27120020	1	0.016	Carrier in flavor blends

27120020	1	0.016	Carrier in flavor blends
27120090	1	0.016	Carrier in flavor blends
27120120	1	0.016	Carrier in flavor blends
27130010	1	0.016	Carrier in flavor blends
27130010	1	0.016	Carrier in flavor blends
27135010	1	0.016	Carrier in flavor blends
27135010	1	0.016	Carrier in flavor blends
27136080	1	0.016	Carrier in flavor blends
27136080	1	0.016	Carrier in flavor blends
27142000	1	0.016	Carrier in flavor blends
27142000	1	0.016	Carrier in flavor blends
27142200	1	0.016	Carrier in flavor blends
27142200	1	0.016	Carrier in flavor blends
27144000	1	0.016	Carrier in flavor blends
27150190	1	0.016	Carrier in flavor blends
27162500	1	0.016	Carrier in flavor blends
27162500	1	0.016	Carrier in flavor blends
27163010	1	0.016	Carrier in flavor blends
27163010	1	0.016	Carrier in flavor blends
27211190	1	0.016	Carrier in flavor blends
27211200	1	0.016	Carrier in flavor blends
27211200	1	0.016	Carrier in flavor blends
27211550	1	0.016	Carrier in flavor blends
27211550	1	0.016	Carrier in flavor blends
27212200	1	0.016	Carrier in flavor blends
27212200	1	0.016	Carrier in flavor blends
27212400	1	0.016	Carrier in flavor blends
27213200	1	0.016	Carrier in flavor blends
27213200	1	0.016	Carrier in flavor blends
27213400	1	0.016	Carrier in flavor blends
27213420	1	0.016	Carrier in flavor blends
27220030	1	0.016	Carrier in flavor blends
27220150	1	0.016	Carrier in flavor blends
27220510	1	0.016	Carrier in flavor blends
27220510	1	0.016	Carrier in flavor blends

27231000	1	0.016	Carrier in flavor blends
27231000	1	0.016	Carrier in flavor blends
27233000	1	0.016	Carrier in flavor blends
27233000	1	0.016	Carrier in flavor blends
27241010	1	0.016	Carrier in flavor blends
27241010	1	0.016	Carrier in flavor blends
27242200	1	0.016	Carrier in flavor blends
27242200	1	0.016	Carrier in flavor blends
27242250	1	0.016	Carrier in flavor blends
27243400	1	0.016	Carrier in flavor blends
27250122	1	0.016	Carrier in flavor blends
27250122	1	0.016	Carrier in flavor blends
27250124	1	0.016	Carrier in flavor blends
27250630	1	0.016	Carrier in flavor blends
27250710	1	0.016	Carrier in flavor blends
27250830	1	0.016	Carrier in flavor blends
27250900	1	0.016	Carrier in flavor blends
27260050	1	0.016	Carrier in flavor blends
27260050	1	0.016	Carrier in flavor blends
27261000	1	0.016	Carrier in flavor blends
27261000	1	0.016	Carrier in flavor blends
27261500	1	0.016	Carrier in flavor blends
27261500	1	0.016	Carrier in flavor blends
27311410	1	0.016	Carrier in flavor blends
27311410	1	0.016	Carrier in flavor blends
27311420	1	0.016	Carrier in flavor blends
27311420	1	0.016	Carrier in flavor blends
27311600	1	0.016	Carrier in flavor blends
27311600	1	0.016	Carrier in flavor blends
27311605	1	0.016	Carrier in flavor blends
27311605	1	0.016	Carrier in flavor blends
27311610	1	0.016	Carrier in flavor blends
27311610	1	0.016	Carrier in flavor blends
27311620	1	0.016	Carrier in flavor blends
27311620	1	0.016	Carrier in flavor blends

27313310	1	0.016	Carrier in flavor blends
27313320	1	0.016	Carrier in flavor blends
27313410	1	0.016	Carrier in flavor blends
27313410	1	0.016	Carrier in flavor blends
27313420	1	0.016	Carrier in flavor blends
27313420	1	0.016	Carrier in flavor blends
27315310	1	0.016	Carrier in flavor blends
27315320	1	0.016	Carrier in flavor blends
27315410	1	0.016	Carrier in flavor blends
27315410	1	0.016	Carrier in flavor blends
27315420	1	0.016	Carrier in flavor blends
27315420	1	0.016	Carrier in flavor blends
27317100	1	0.016	Carrier in flavor blends
27317100	1	0.016	Carrier in flavor blends
27317110	1	0.016	Carrier in flavor blends
27317110	1	0.016	Carrier in flavor blends
27320120	1	0.016	Carrier in flavor blends
27320120	1	0.016	Carrier in flavor blends
27320130	1	0.016	Carrier in flavor blends
27320130	1	0.016	Carrier in flavor blends
27320140	1	0.016	Carrier in flavor blends
27320140	1	0.016	Carrier in flavor blends
27320150	1	0.016	Carrier in flavor blends
27320150	1	0.016	Carrier in flavor blends
27330030	1	0.016	Carrier in flavor blends
27330030	1	0.016	Carrier in flavor blends
27330050	1	0.016	Carrier in flavor blends
27330050	1	0.016	Carrier in flavor blends
27330080	1	0.016	Carrier in flavor blends
27330080	1	0.016	Carrier in flavor blends
27330110	1	0.016	Carrier in flavor blends
27330110	1	0.016	Carrier in flavor blends
27336200	1	0.016	Carrier in flavor blends
27336200	1	0.016	Carrier in flavor blends
27336250	1	0.016	Carrier in flavor blends

27336250	1	0.016	Carrier in flavor blends
27341000	1	0.016	Carrier in flavor blends
27341025	1	0.016	Carrier in flavor blends
27341025	1	0.016	Carrier in flavor blends
27341030	1	0.016	Carrier in flavor blends
27341030	1	0.016	Carrier in flavor blends
27341035	1	0.016	Carrier in flavor blends
27341040	1	0.016	Carrier in flavor blends
27341310	1	0.016	Carrier in flavor blends
27341310	1	0.016	Carrier in flavor blends
27341320	1	0.016	Carrier in flavor blends
27341320	1	0.016	Carrier in flavor blends
27343410	1	0.016	Carrier in flavor blends
27343410	1	0.016	Carrier in flavor blends
27343420	1	0.016	Carrier in flavor blends
27343420	1	0.016	Carrier in flavor blends
27343470	1	0.016	Carrier in flavor blends
27343480	1	0.016	Carrier in flavor blends
27345210	1	0.016	Carrier in flavor blends
27345210	1	0.016	Carrier in flavor blends
27345220	1	0.016	Carrier in flavor blends
27345220	1	0.016	Carrier in flavor blends
27345230	1	0.016	Carrier in flavor blends
27345230	1	0.016	Carrier in flavor blends
27345410	1	0.016	Carrier in flavor blends
27345420	1	0.016	Carrier in flavor blends
27347220	1	0.016	Carrier in flavor blends
27347220	1	0.016	Carrier in flavor blends
27347230	1	0.016	Carrier in flavor blends
27347230	1	0.016	Carrier in flavor blends
27347240	1	0.016	Carrier in flavor blends
27347240	1	0.016	Carrier in flavor blends
27347250	1	0.016	Carrier in flavor blends
27347250	1	0.016	Carrier in flavor blends
27350410	1	0.016	Carrier in flavor blends

27414100	1	0.016	Carrier in flavor blends
27414200	1	0.016	Carrier in flavor blends
27416450	1	0.016	Carrier in flavor blends
27416450	1	0.016	Carrier in flavor blends
27416500	1	0.016	Carrier in flavor blends
27416500	1	0.016	Carrier in flavor blends
27418110	1	0.016	Carrier in flavor blends
27418110	1	0.016	Carrier in flavor blends
27430400	1	0.016	Carrier in flavor blends
27430400	1	0.016	Carrier in flavor blends
27430410	1	0.016	Carrier in flavor blends
27430410	1	0.016	Carrier in flavor blends
27442110	1	0.016	Carrier in flavor blends
27442110	1	0.016	Carrier in flavor blends
27442120	1	0.016	Carrier in flavor blends
27442120	1	0.016	Carrier in flavor blends
27443110	1	0.016	Carrier in flavor blends
27443110	1	0.016	Carrier in flavor blends
27443120	1	0.016	Carrier in flavor blends
27443120	1	0.016	Carrier in flavor blends
27446320	1	0.016	Carrier in flavor blends
27446320	1	0.016	Carrier in flavor blends
27446320	1	0.016	Carrier in flavor blends
27446332	1	0.016	Carrier in flavor blends
27446332	1	0.016	Carrier in flavor blends
27446362	1	0.016	Carrier in flavor blends
27446362	1	0.016	Carrier in flavor blends
27450510	1	0.016	Carrier in flavor blends
27450650	1	0.016	Carrier in flavor blends
27450660	1	0.016	Carrier in flavor blends
27461010	1	0.016	Carrier in flavor blends
27513020	1	0.016	Carrier in flavor blends
27513020	1	0.016	Carrier in flavor blends
27513030	1	0.016	Carrier in flavor blends
27515150	1	0.016	Carrier in flavor blends

27520165	1	0.016	Carrier in flavor blends
27520165	1	0.016	Carrier in flavor blends
27520166	1	0.016	Carrier in flavor blends
27520166	1	0.016	Carrier in flavor blends
27520530	1	0.016	Carrier in flavor blends
27520530	1	0.016	Carrier in flavor blends
27540140	1	0.016	Carrier in flavor blends
27540140	1	0.016	Carrier in flavor blends
27540145	1	0.016	Carrier in flavor blends
27540145	1	0.016	Carrier in flavor blends
27540150	1	0.016	Carrier in flavor blends
27540150	1	0.016	Carrier in flavor blends
27540151	1	0.016	Carrier in flavor blends
27540151	1	0.016	Carrier in flavor blends
27540210	1	0.016	Carrier in flavor blends
27540210	1	0.016	Carrier in flavor blends
27540330	1	0.016	Carrier in flavor blends
27540330	1	0.016	Carrier in flavor blends
27644110	1	0.016	Carrier in flavor blends
27644110	1	0.016	Carrier in flavor blends
28110220	1	0.016	Carrier in flavor blends
28110220	1	0.016	Carrier in flavor blends
28110250	1	0.016	Carrier in flavor blends
28110250	1	0.016	Carrier in flavor blends
28110270	1	0.016	Carrier in flavor blends
28110270	1	0.016	Carrier in flavor blends
28110310	1	0.016	Carrier in flavor blends
28110310	1	0.016	Carrier in flavor blends
28110330	1	0.016	Carrier in flavor blends
28110330	1	0.016	Carrier in flavor blends
28110340	1	0.016	Carrier in flavor blends
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28133110	1	0.016	Carrier in flavor blends
28140250	1	0.016	Carrier in flavor blends
28140250	1	0.016	Carrier in flavor blends
28140720	1	0.016	Carrier in flavor blends
28140720	1	0.016	Carrier in flavor blends
28140730	1	0.016	Carrier in flavor blends
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28140740	1	0.016	Carrier in flavor blends
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28145100	1	0.016	Carrier in flavor blends
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28145210	1	0.016	Carrier in flavor blends
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28310160	1	0.016	Carrier in flavor blends

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28310230	1	0.016	Carrier in flavor blends
28310230	1	0.016	Carrier in flavor blends
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28310320	1	0.016	Carrier in flavor blends
28310330	1	0.016	Carrier in flavor blends
28310330	1	0.016	Carrier in flavor blends
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28311010	1	0.016	Carrier in flavor blends
28311010	1	0.016	Carrier in flavor blends
28311020	1	0.016	Carrier in flavor blends
28311030	1	0.016	Carrier in flavor blends
28311030	1	0.016	Carrier in flavor blends
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28315140	1	0.016	Carrier in flavor blends
28315140	1	0.016	Carrier in flavor blends
28315140	1	0.016	Carrier in flavor blends
28315150	1	0.016	Carrier in flavor blends
28315150	1	0.016	Carrier in flavor blends
28315150	1	0.016	Carrier in flavor blends
28315160	1	0.016	Carrier in flavor blends
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28317010	1	0.016	Carrier in flavor blends

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28320130	1	0.016	Carrier in flavor blends
28320140	1	0.016	Carrier in flavor blends
28320140	1	0.016	Carrier in flavor blends
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28320160	1	0.016	Carrier in flavor blends
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28320300	1	0.016	Carrier in flavor blends
28320300	1	0.016	Carrier in flavor blends
28321130	1	0.016	Carrier in flavor blends
28321130	1	0.016	Carrier in flavor blends
28330110	1	0.016	Carrier in flavor blends
28331110	1	0.016	Carrier in flavor blends
28331110	1	0.016	Carrier in flavor blends
28340110	1	0.016	Carrier in flavor blends
28340110	1	0.016	Carrier in flavor blends
28340120	1	0.016	Carrier in flavor blends
28340120	1	0.016	Carrier in flavor blends
28340130	1	0.016	Carrier in flavor blends
28340130	1	0.016	Carrier in flavor blends
28340140	1	0.016	Carrier in flavor blends
28340150	1	0.016	Carrier in flavor blends
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28340510	1	0.016	Carrier in flavor blends
28340510	1	0.016	Carrier in flavor blends
28340520	1	0.016	Carrier in flavor blends
28340530	1	0.016	Carrier in flavor blends
28340550	1	0.016	Carrier in flavor blends
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28340580	1	0.016	Carrier in flavor blends
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28340600	1	0.016	Carrier in flavor blends
28340610	1	0.016	Carrier in flavor blends
28340610	1	0.016	Carrier in flavor blends
28340620	1	0.016	Carrier in flavor blends
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28340800	1	0.016	Carrier in flavor blends
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28345010	1	0.016	Carrier in flavor blends
28345020	1	0.016	Carrier in flavor blends
28345020	1	0.016	Carrier in flavor blends
28345030	1	0.016	Carrier in flavor blends
28345030	1	0.016	Carrier in flavor blends
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28345120	1	0.016	Carrier in flavor blends
28345120	1	0.016	Carrier in flavor blends
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28345130	1	0.016	Carrier in flavor blends
28345140	1	0.016	Carrier in flavor blends
28345160	1	0.016	Carrier in flavor blends
28345160	1	0.016	Carrier in flavor blends
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28350310	1	0.016	Carrier in flavor blends
28351110	1	0.016	Carrier in flavor blends
28351110	1	0.016	Carrier in flavor blends
28351110	1	0.016	Carrier in flavor blends
28351120	1	0.016	Carrier in flavor blends
28351120	1	0.016	Carrier in flavor blends
28351120	1	0.016	Carrier in flavor blends

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28351170	1	0.016	Carrier in flavor blends
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28355210	1	0.016	Carrier in flavor blends
28355350	1	0.016	Carrier in flavor blends
28355410	1	0.016	Carrier in flavor blends
28355410	1	0.016	Carrier in flavor blends
28355420	1	0.016	Carrier in flavor blends
28355420	1	0.016	Carrier in flavor blends
28355430	1	0.016	Carrier in flavor blends
28355430	1	0.016	Carrier in flavor blends
28355450	1	0.016	Carrier in flavor blends
28355450	1	0.016	Carrier in flavor blends
28355460	1	0.016	Carrier in flavor blends
28355460	1	0.016	Carrier in flavor blends
28355470	1	0.016	Carrier in flavor blends
28355470	1	0.016	Carrier in flavor blends
28355480	1	0.016	Carrier in flavor blends
28355480	1	0.016	Carrier in flavor blends
28360100	1	0.016	Carrier in flavor blends
28360100	1	0.016	Carrier in flavor blends
28360100	1	0.016	Carrier in flavor blends
28360210	1	0.016	Carrier in flavor blends
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28500010	1	0.016	Carrier in flavor blends
28500010	1	0.016	Carrier in flavor blends
28500020	1	0.016	Carrier in flavor blends
28500020	1	0.016	Carrier in flavor blends
28500030	1	0.016	Carrier in flavor blends
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28500040	1	0.016	Carrier in flavor blends
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28500150	1	0.016	Carrier in flavor blends
28501010	1	0.016	Carrier in flavor blends
28501010	1	0.016	Carrier in flavor blends
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28510010	1	0.016	Carrier in flavor blends
28510010	1	0.016	Carrier in flavor blends
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28510020	1	0.016	Carrier in flavor blends
28510030	1	0.016	Carrier in flavor blends
28510030	1	0.016	Carrier in flavor blends
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28520000	1	0.016	Carrier in flavor blends
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32301100	1	0.016	Carrier in flavor blends
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41601020	1	0.016	Carrier in flavor blends
41601030	1	0.016	Carrier in flavor blends
41601030	1	0.016	Carrier in flavor blends
41601040	1	0.016	Carrier in flavor blends
41601040	1	0.016	Carrier in flavor blends
41601050	1	0.016	Carrier in flavor blends
41601060	1	0.016	Carrier in flavor blends
41601070	1	0.016	Carrier in flavor blends
41601080	1	0.016	Carrier in flavor blends
41601080	1	0.016	Carrier in flavor blends
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41601100	1	0.016	Carrier in flavor blends
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41601110	1	0.016	Carrier in flavor blends
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41601130	1	0.016	Carrier in flavor blends
41601130	1	0.016	Carrier in flavor blends
41601140	1	0.016	Carrier in flavor blends
41601160	1	0.016	Carrier in flavor blends
41601160	1	0.016	Carrier in flavor blends
41601170	1	0.016	Carrier in flavor blends
41601180	1	0.016	Carrier in flavor blends
41601180	1	0.016	Carrier in flavor blends
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41602010	1	0.016	Carrier in flavor blends
41602020	1	0.016	Carrier in flavor blends
41602020	1	0.016	Carrier in flavor blends
41602030	1	0.016	Carrier in flavor blends
41602030	1	0.016	Carrier in flavor blends
41602040	1	0.016	Carrier in flavor blends
41602050	1	0.016	Carrier in flavor blends
41602070	1	0.016	Carrier in flavor blends
41602070	1	0.016	Carrier in flavor blends
41602090	1	0.016	Carrier in flavor blends
41602090	1	0.016	Carrier in flavor blends
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41603010	1	0.016	Carrier in flavor blends
41610100	1	0.016	Carrier in flavor blends
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41810610	1	0.016	Carrier in flavor blends
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41811950	1	0.016	Carrier in flavor blends
41811950	1	0.016	Carrier in flavor blends
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42204100	1	0.016	Carrier in flavor blends

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53100070	1	0.016	Carrier in flavor blends
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53200100	1	0.016	Carrier in flavor blends
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58101820	1	0.016	Carrier in flavor blends
58101830	1	0.016	Carrier in flavor blends
58101830	1	0.016	Carrier in flavor blends
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58126180	1	0.016	Carrier in flavor blends
58126180	1	0.016	Carrier in flavor blends
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58128000	1	0.016	Carrier in flavor blends
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58146200	1	0.016	Carrier in flavor blends
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58155410	1	0.016	Carrier in flavor blends

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58164540	1	0.016	Carrier in flavor blends
58164550	1	0.016	Carrier in flavor blends
58164830	1	0.016	Carrier in flavor blends
58164840	1	0.016	Carrier in flavor blends
58164850	1	0.016	Carrier in flavor blends
58165030	1	0.016	Carrier in flavor blends
58165030	1	0.016	Carrier in flavor blends
58165040	1	0.016	Carrier in flavor blends
58165040	1	0.016	Carrier in flavor blends
58165050	1	0.016	Carrier in flavor blends
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58306020	1	0.016	Carrier in flavor blends
58306020	1	0.016	Carrier in flavor blends
58400000	1	0.016	Carrier in flavor blends
58400100	1	0.016	Carrier in flavor blends
58400200	1	0.016	Carrier in flavor blends
58401010	1	0.016	Carrier in flavor blends
58401010	1	0.016	Carrier in flavor blends
58401200	1	0.016	Carrier in flavor blends
58401200	1	0.016	Carrier in flavor blends
58402000	1	0.016	Carrier in flavor blends
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58403040	1	0.016	Carrier in flavor blends
58403040	1	0.016	Carrier in flavor blends
58403050	1	0.016	Carrier in flavor blends
58403050	1	0.016	Carrier in flavor blends
58403060	1	0.016	Carrier in flavor blends
58403060	1	0.016	Carrier in flavor blends
58403060	1	0.016	Carrier in flavor blends
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58403100	1	0.016	Carrier in flavor blends
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58404010	1	0.016	Carrier in flavor blends
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58404030	1	0.016	Carrier in flavor blends
58404030	1	0.016	Carrier in flavor blends
58404040	1	0.016	Carrier in flavor blends
58404040	1	0.016	Carrier in flavor blends
58404050	1	0.016	Carrier in flavor blends
58404050	1	0.016	Carrier in flavor blends
58404100	1	0.016	Carrier in flavor blends
58404100	1	0.016	Carrier in flavor blends
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58404510	1	0.016	Carrier in flavor blends
58404510	1	0.016	Carrier in flavor blends
58404510	1	0.016	Carrier in flavor blends
58404520	1	0.016	Carrier in flavor blends
58404520	1	0.016	Carrier in flavor blends
58406010	1	0.016	Carrier in flavor blends
58406020	1	0.016	Carrier in flavor blends
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58407010	1	0.016	Carrier in flavor blends
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58407035	1	0.016	Carrier in flavor blends
58407040	1	0.016	Carrier in flavor blends
58407050	1	0.016	Carrier in flavor blends
58407050	1	0.016	Carrier in flavor blends
58408010	1	0.016	Carrier in flavor blends
58408010	1	0.016	Carrier in flavor blends
58408500	1	0.016	Carrier in flavor blends
58408500	1	0.016	Carrier in flavor blends
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58409000	1	0.016	Carrier in flavor blends
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58421000	1	0.016	Carrier in flavor blends
58421020	1	0.016	Carrier in flavor blends
58421020	1	0.016	Carrier in flavor blends
58421060	1	0.016	Carrier in flavor blends
58421060	1	0.016	Carrier in flavor blends
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58421080	1	0.016	Carrier in flavor blends
58450300	1	0.016	Carrier in flavor blends
63107410	1	0.016	Carrier in flavor blends
63415000	1	0.016	Carrier in flavor blends
63415100	1	0.016	Carrier in flavor blends
71106010	1	0.016	Carrier in flavor blends
71106010	1	0.016	Carrier in flavor blends
71106020	1	0.016	Carrier in flavor blends
71106020	1	0.016	Carrier in flavor blends
71106050	1	0.016	Carrier in flavor blends
71106050	1	0.016	Carrier in flavor blends
71402040	1	0.016	Carrier in flavor blends
71501006	1	0.016	Carrier in flavor blends
71501012	1	0.016	Carrier in flavor blends

71501017	1	0.016	Carrier in flavor blends
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71501075	1	0.016	Carrier in flavor blends
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71801000	1	0.016	Carrier in flavor blends
71801010	1	0.016	Carrier in flavor blends
71801010	1	0.016	Carrier in flavor blends
71801020	1	0.016	Carrier in flavor blends
71801020	1	0.016	Carrier in flavor blends
71801040	1	0.016	Carrier in flavor blends
71801100	1	0.016	Carrier in flavor blends
71801100	1	0.016	Carrier in flavor blends
71802010	1	0.016	Carrier in flavor blends
71851010	1	0.016	Carrier in flavor blends
71851010	1	0.016	Carrier in flavor blends
72202030	1	0.016	Carrier in flavor blends
72202030	1	0.016	Carrier in flavor blends
72302000	1	0.016	Carrier in flavor blends
72302000	1	0.016	Carrier in flavor blends
72302020	1	0.016	Carrier in flavor blends
72302020	1	0.016	Carrier in flavor blends
72302100	1	0.016	Carrier in flavor blends
72302100	1	0.016	Carrier in flavor blends
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72306000	1	0.016	Carrier in flavor blends
72306000	1	0.016	Carrier in flavor blends
72307000	1	0.016	Carrier in flavor blends
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72308000	1	0.016	Carrier in flavor blends
72308500	1	0.016	Carrier in flavor blends
72308500	1	0.016	Carrier in flavor blends
73501000	1	0.016	Carrier in flavor blends
73501000	1	0.016	Carrier in flavor blends
73501010	1	0.016	Carrier in flavor blends
73501010	1	0.016	Carrier in flavor blends

73502000	1	0.016	Carrier in flavor blends
73502000	1	0.016	Carrier in flavor blends
74410110	1	0.016	Carrier in flavor blends
74410110	1	0.016	Carrier in flavor blends
74415110	1	0.016	Carrier in flavor blends
74415110	1	0.016	Carrier in flavor blends
74420110	1	0.016	Carrier in flavor blends
74420110	1	0.016	Carrier in flavor blends
74420110	1	0.016	Carrier in flavor blends
74601000	1	0.016	Carrier in flavor blends
74601010	1	0.016	Carrier in flavor blends
74601010	1	0.016	Carrier in flavor blends
74602010	1	0.016	Carrier in flavor blends
74602010	1	0.016	Carrier in flavor blends
74602030	1	0.016	Carrier in flavor blends
74602050	1	0.016	Carrier in flavor blends
74602050	1	0.016	Carrier in flavor blends
74602100	1	0.016	Carrier in flavor blends
74602200	1	0.016	Carrier in flavor blends
74602200	1	0.016	Carrier in flavor blends
74602200	1	0.016	Carrier in flavor blends
74602300	1	0.016	Carrier in flavor blends
74602300	1	0.016	Carrier in flavor blends
74602300	1	0.016	Carrier in flavor blends
74603010	1	0.016	Carrier in flavor blends
74603010	1	0.016	Carrier in flavor blends
74604010	1	0.016	Carrier in flavor blends
74604010	1	0.016	Carrier in flavor blends
74604100	1	0.016	Carrier in flavor blends
74604100	1	0.016	Carrier in flavor blends
74604500	1	0.016	Carrier in flavor blends
74604500	1	0.016	Carrier in flavor blends
74604600	1	0.016	Carrier in flavor blends
74604600	1	0.016	Carrier in flavor blends
74605000	1	0.016	Carrier in flavor blends

74605010	1	0.016	Carrier in flavor blends
74605010	1	0.016	Carrier in flavor blends
74606010	1	0.016	Carrier in flavor blends
74606010	1	0.016	Carrier in flavor blends
74606020	1	0.016	Carrier in flavor blends
74606020	1	0.016	Carrier in flavor blends
75409020	1	0.016	Carrier in flavor blends
75410550	1	0.016	Carrier in flavor blends
75410550	1	0.016	Carrier in flavor blends
75412010	1	0.016	Carrier in flavor blends
75414030	1	0.016	Carrier in flavor blends
75414030	1	0.016	Carrier in flavor blends
75414500	1	0.016	Carrier in flavor blends
75415020	1	0.016	Carrier in flavor blends
75415020	1	0.016	Carrier in flavor blends
75415021	1	0.016	Carrier in flavor blends
75415021	1	0.016	Carrier in flavor blends
75415022	1	0.016	Carrier in flavor blends
75415022	1	0.016	Carrier in flavor blends
75418000	1	0.016	Carrier in flavor blends
75418000	1	0.016	Carrier in flavor blends
75418010	1	0.016	Carrier in flavor blends
75418010	1	0.016	Carrier in flavor blends
75440170	1	0.016	Carrier in flavor blends
75440400	1	0.016	Carrier in flavor blends
75440400	1	0.016	Carrier in flavor blends
75600150	1	0.016	Carrier in flavor blends
75601000	1	0.016	Carrier in flavor blends
75601000	1	0.016	Carrier in flavor blends
75601010	1	0.016	Carrier in flavor blends
75601010	1	0.016	Carrier in flavor blends
75601020	1	0.016	Carrier in flavor blends
75601020	1	0.016	Carrier in flavor blends
75601100	1	0.016	Carrier in flavor blends
75601200	1	0.016	Carrier in flavor blends

75601200	1	0.016	Carrier in flavor blends
75601210	1	0.016	Carrier in flavor blends
75601210	1	0.016	Carrier in flavor blends
75602010	1	0.016	Carrier in flavor blends
75603000	1	0.016	Carrier in flavor blends
75603010	1	0.016	Carrier in flavor blends
75603010	1	0.016	Carrier in flavor blends
75603020	1	0.016	Carrier in flavor blends
75603020	1	0.016	Carrier in flavor blends
75603030	1	0.016	Carrier in flavor blends
75604010	1	0.016	Carrier in flavor blends
75604010	1	0.016	Carrier in flavor blends
75604020	1	0.016	Carrier in flavor blends
75604020	1	0.016	Carrier in flavor blends
75604510	1	0.016	Carrier in flavor blends
75605010	1	0.016	Carrier in flavor blends
75605010	1	0.016	Carrier in flavor blends
75605030	1	0.016	Carrier in flavor blends
75607000	1	0.016	Carrier in flavor blends
75607010	1	0.016	Carrier in flavor blends
75607010	1	0.016	Carrier in flavor blends
75607020	1	0.016	Carrier in flavor blends
75607020	1	0.016	Carrier in flavor blends
75607030	1	0.016	Carrier in flavor blends
75607040	1	0.016	Carrier in flavor blends
75607040	1	0.016	Carrier in flavor blends
75607050	1	0.016	Carrier in flavor blends
75607050	1	0.016	Carrier in flavor blends
75607060	1	0.016	Carrier in flavor blends
75607060	1	0.016	Carrier in flavor blends
75607080	1	0.016	Carrier in flavor blends
75607080	1	0.016	Carrier in flavor blends
75607090	1	0.016	Carrier in flavor blends
75607090	1	0.016	Carrier in flavor blends
75607100	1	0.016	Carrier in flavor blends

75607100	1	0.016	Carrier in flavor blends
75607130	1	0.016	Carrier in flavor blends
75607140	1	0.016	Carrier in flavor blends
75607140	1	0.016	Carrier in flavor blends
75607150	1	0.016	Carrier in flavor blends
75608010	1	0.016	Carrier in flavor blends
75608010	1	0.016	Carrier in flavor blends
75608030	1	0.016	Carrier in flavor blends
75608100	1	0.016	Carrier in flavor blends
75608200	1	0.016	Carrier in flavor blends
75608300	1	0.016	Carrier in flavor blends
75609000	1	0.016	Carrier in flavor blends
75609010	1	0.016	Carrier in flavor blends
75609010	1	0.016	Carrier in flavor blends
75609020	1	0.016	Carrier in flavor blends
75609030	1	0.016	Carrier in flavor blends
75609050	1	0.016	Carrier in flavor blends
75611010	1	0.016	Carrier in flavor blends
75611010	1	0.016	Carrier in flavor blends
75612010	1	0.016	Carrier in flavor blends
75612010	1	0.016	Carrier in flavor blends
75646010	1	0.016	Carrier in flavor blends
75647000	1	0.016	Carrier in flavor blends
75649010	1	0.016	Carrier in flavor blends
75649010	1	0.016	Carrier in flavor blends
75649020	1	0.016	Carrier in flavor blends
75649030	1	0.016	Carrier in flavor blends
75649040	1	0.016	Carrier in flavor blends
75649050	1	0.016	Carrier in flavor blends
75649060	1	0.016	Carrier in flavor blends
75649070	1	0.016	Carrier in flavor blends
75649100	1	0.016	Carrier in flavor blends
75649110	1	0.016	Carrier in flavor blends
75649150	1	0.016	Carrier in flavor blends
75650990	1	0.016	Carrier in flavor blends

75650990	1	0.016	Carrier in flavor blends
75651000	1	0.016	Carrier in flavor blends
75651010	1	0.016	Carrier in flavor blends
75651010	1	0.016	Carrier in flavor blends
75651020	1	0.016	Carrier in flavor blends
75651020	1	0.016	Carrier in flavor blends
75651030	1	0.016	Carrier in flavor blends
75651030	1	0.016	Carrier in flavor blends
75651040	1	0.016	Carrier in flavor blends
75651040	1	0.016	Carrier in flavor blends
75651050	1	0.016	Carrier in flavor blends
75651060	1	0.016	Carrier in flavor blends
75651070	1	0.016	Carrier in flavor blends
75651070	1	0.016	Carrier in flavor blends
75651080	1	0.016	Carrier in flavor blends
75651080	1	0.016	Carrier in flavor blends
75651090	1	0.016	Carrier in flavor blends
75651110	1	0.016	Carrier in flavor blends
75651110	1	0.016	Carrier in flavor blends
75651110	1	0.016	Carrier in flavor blends
75651120	1	0.016	Carrier in flavor blends
75651140	1	0.016	Carrier in flavor blends
75651140	1	0.016	Carrier in flavor blends
75651140	1	0.016	Carrier in flavor blends
75651150	1	0.016	Carrier in flavor blends
75651150	1	0.016	Carrier in flavor blends
75651150	1	0.016	Carrier in flavor blends
75652010	1	0.016	Carrier in flavor blends
75652020	1	0.016	Carrier in flavor blends
75652030	1	0.016	Carrier in flavor blends
75652030	1	0.016	Carrier in flavor blends
75652040	1	0.016	Carrier in flavor blends
75652040	1	0.016	Carrier in flavor blends
75652050	1	0.016	Carrier in flavor blends
75652050	1	0.016	Carrier in flavor blends

75654010	1	0.016	Carrier in flavor blends
75654010	1	0.016	Carrier in flavor blends
75654020	1	0.016	Carrier in flavor blends
75656010	1	0.016	Carrier in flavor blends
75656010	1	0.016	Carrier in flavor blends
75656020	1	0.016	Carrier in flavor blends
75656040	1	0.016	Carrier in flavor blends
75656040	1	0.016	Carrier in flavor blends
75656060	1	0.016	Carrier in flavor blends
75656060	1	0.016	Carrier in flavor blends
75657000	1	0.016	Carrier in flavor blends
75657000	1	0.016	Carrier in flavor blends
91303750	1	0.016	Carrier in flavor blends
99995000	1	0.016	Carrier in flavor blends