PART 225 – Current Good Manufacturing Practice for Medicated Feeds	Audit Standard Language	Analysis of Alignment of Audit Standard	Description of Gaps and Actions to Align	Additional Comments
Subpart A—General Provisions				
§225.10 Personnel.				
(a) Qualified personnel and adequate personnel training and supervision				
are essential for the proper formulation, manufacture, and control of				
medicated feeds. Training and experience leads to proper use of				
equipment, maintenance of accurate records, and detection and				
prevention of possible deviations from current good manufacturing				
practices.				
(b)(1) All employees involved in the manufacture of medicated feeds shall				
have an understanding of the manufacturing or control operation(s) which				
they perform, including the location and proper use of equipment.				
(2) The manufacturer shall provide an on-going program of evaluation and				
supervision of employees in the manufacture of medicated feeds.				
Subpart B—Construction and Maintenance of Facilities and Equipment				
§225.20 Buildings.				
(a) The location, design, construction, and physical size of the buildings and				
other production facilities are factors important to the manufacture of				
medicated feed. The features of facilities necessary for the proper				
manufacture of medicated feed include provision for ease of access to				
structures and equipment in need of routine maintenance; ease of cleaning				
of equipment and work areas; facilities to promote personnel hygiene;				
structural conditions for control and prevention of vermin and pest				
infestation; adequate space for the orderly receipt and storage of drugs				
and feed ingredients and the controlled flow of these materials through the				
processing and manufacturing operations; and the equipment for the				
accurate packaging and delivery of a medicated feed of specified labeling and composition.				

PART 225 – Current Good Manufacturing Practice for Medicated Feeds	Audit Standard Language	Analysis of Alignment of Audit Standard	Description of Gaps and Actions to Align	Additional Comments
(b) The construction and maintenance of buildings in which medicated				
feeds are manufactured, processed, packaged, labeled, or held shall				
conform to the following:				
(1) The building grounds shall be adequately drained and routinely				
maintained so that they are reasonably free from litter, waste, refuse,				
uncut weeds or grass, standing water, and improperly stored equipment.				
(2) The building(s) shall be maintained in a reasonably clean and orderly				
manner.				
(3) The building(s) shall be of suitable construction to minimize access by				
rodents, birds, insects, and other pests.				
(4) The buildings shall provide adequate space and lighting for the proper				
performance of the following medicated feed manufacturing operations:				
(i) The receipt, control, and storage of components.				
(ii) Component processing.				
(iii) Medicated feed manufacturing.				
(iv) Packaging and labeling.				
(v) Storage of containers, packaging materials, labeling and finished				
products.				
(vi) Routine maintenance of equipment.				
§225.30 Equipment.				
(a) Equipment which is designed to perform its intended function and is				
properly installed and used is essential to the manufacture of medicated				
feeds. Such equipment permits production of feeds of uniform quality,				
facilitates cleaning, and minimizes spillage of drug components and				
finished product.				
(b)(1) All equipment shall possess the capability to produce a medicated				
feed of intended potency, safety, and purity.				
(2) All equipment shall be maintained in a reasonably clean and orderly				
manner.				

PART 225 – Current Good Manufacturing Practice for Medicated Feeds	Audit Standard Language	Analysis of Alignment of Audit Standard	Description of Gaps and Actions to Align	Additional Comments
(3) All equipment, including scales and liquid metering devices, shall be of				
suitable size, design, construction, precision, and accuracy for its intended				
purpose.				
(4) All scales and metering devices shall be tested for accuracy upon				
installation and at least once a year thereafter, or more frequently as may				
be necessary to insure their accuracy.				
(5) All equipment shall be so constructed and maintained as to prevent				
lubricants and coolants from becoming unsafe additives in feed				
components or medicated feed.				
(6) All equipment shall be designed, constructed, installed and maintained				
so as to facilitate inspection and use of cleanout procedure(s).				
§225.35 Use of work areas, equipment, and storage areas for other				
manufacturing and storage purpose.				
(a) Many manufacturers of medicated feeds are also involved in the				
manufacture, storage, or handling of products which are not intended for				
animal feed use, such as fertilizers, herbicides, insecticides, fungicides,				
rodenticides, and other pesticides. Manufacturing, storage, or handling of				
nonfeed and feed products in the same facilities may cause adulteration of				
feed products with toxic or otherwise unapproved feed additives.				
(b) Work areas and equipment used for the manufacture or storage of				
medicated feeds or components thereof shall not be used for, and shall be				
physically separated from, work areas and equipment used for the				
manufacture of fertilizers, herbicides, insecticides, fungicides, rodenticides,				
and other pesticides unless such articles are approved drugs, indexed				
drugs, or approved food additives intended for use in the manufacture of				
medicated feed.				
Subpart C—Product Quality Control				
§225.42 Components.				

PART 225 – Current Good Manufacturing Practice for Medicated Feeds	Audit Standard Language	Analysis of Alignment of Audit Standard	Description of Gaps and Actions to Align	Additional Comments
(a) A medicated feed, in addition to providing nutrients, is a vehicle for the				
administration of a drug, or drugs, to animals. To ensure proper safety and				
effectiveness, such medicated feeds must contain the labeled amounts of				
drugs. It is necessary that adequate procedures be established for the				
receipt, storage, and inventory control for all such drugs to aid in assuring				
their identity, strength, quality, and purity when incorporated into				
products.				
(b) The receipt, storage, and inventory of drugs, including undiluted drug				
components, medicated premixes, and semiprocessed (i.e., intermediate				
premixes, inplant premixes and concentrates) intermediate mixes				
containing drugs, which are used in the manufacture and processing of				
medicated feeds shall conform to the following:				
(1) Incoming shipments of drugs shall be visually examined for identity and				
damage. Drugs which have been subjected to conditions which may have				
adversely affected their identity, strength, quality, or purity shall not be				
accepted for use.				
(2) Packaged drugs in the storage areas shall be stored in their original				
closed containers.				
(3) Bulk drugs shall be identified and stored in a manner such that their				
identity, strength, quality, and purity will be maintained.				
(4) Drugs in the mixing areas shall be properly identified, stored, handled,				
and controlled to maintain their integrity and identity. Sufficient space shall				
be provided for the location of each drug.				
(5) A receipt record shall be prepared and maintained for each lot of drug				
received. The receipt record shall accurately indicate the identity and				
quantity of the drug, the name of the supplier, the supplier's lot number or				
an identifying number assigned by the feed manufacturer upon receipt				
which relates to the particular shipment, the date of receipt, the condition				
of the drug when received, and the return of any damaged drugs.				

PART 225 – Current Good Manufacturing Practice for Medicated Feeds	Audit Standard Language	Analysis of Alignment of Audit Standard	Description of Gaps and Actions to Align	Additional Comments
(6) A daily inventory record for each drug used shall be maintained and				
shall list by manufacturer's lot number or the feed manufacturer's				
shipment identification number at least the following information:				
(i) The quantity of drug on hand at the beginning and end of the work day				
(the beginning amount being the same as the previous day's closing				
inventory if this amount has been established to be correct); the quantity				
shall be determined by weighing, counting, or measuring, as appropriate.				
(ii) The amount of each drug used, sold, or otherwise disposed of.				
(iii) The batches or production runs of medicated feed in which each drug				
was used.				
(iv) When the drug is used in the preparation of a semiprocessed				
intermediate mix intended for use in the manufacture of medicated feed,				
any additional information which may be required for the purpose of				
paragraph (b)(7) of 21 CFR §225.42.				
(v) Action taken to reconcile any discrepancies in the daily inventory				
record.				
(7) Drug inventory shall be maintained of each lot or shipment of drug by				
means of a daily comparison of the actual amount of drug used with the				
theoretical drug usage in terms of the semiprocessed, intermediate and				
finished medicated feeds manufactured. Any significant discrepancy shall				
be investigated and corrective action taken. The medicated feed(s)				
remaining on the premises which are affected by this discrepancy shall be				
detained until the discrepancy is reconciled.				
(8) All records required by 21 CFR §225.42 shall be maintained on the				
premises for at least one year after complete use of a drug component of a				
specific lot number or feed manufacturer's shipment identification number.				
§225.58 Laboratory controls.				

PART 225 – Current Good Manufacturing Practice for Medicated Feeds	Audit Standard Language	Analysis of Alignment of Audit Standard	Description of Gaps and Actions to Align	Additional Comments
(a) The periodic assay of medicated feeds for drug components provides a				
measure of performance of the manufacturing process in manufacturing a				
uniform product of intended potency.				
(b) The following assay requirements shall apply to medicated feeds:				
(1) For feeds requiring a medicated feed mill license (Form FDA 3448) for				
their manufacture and marketing, at least three representative samples of				
medicated feed containing each drug or drug combination used in the				
establishment shall be collected and assayed by approved official methods,				
at periodic intervals during the calendar year, unless otherwise specified in				
21 CFR Part 225. At least one of these assays shall be performed on the first				
batch using the drug. If a medicated feed contains a combination of drugs,				
only one of the drugs need be subject to analysis each time, provided the				
one tested is different from the one(s) previously tested.				
(c) The originals or copies of all results of assays, including those from State				
feed control officials and any other governmental agency, shall be				
maintained on the premises for a period of not less than 1 year after				
distribution of the medicated feed. The results of assays performed by				
State feed control officials may be considered toward fulfillment of the				
periodic assay requirements of 21 CFR §225.58.				
(d) Where the results of assays indicate that the medicated feed is not in				
accord with label specifications or is not within permissible assay limits as				
specified in 21 CFR Part 225, investigation and corrective action shall be				
implemented and an original or copy of the record of such action				
maintained on the premises.				
(e) Corrective action shall include provisions for discontinuing distribution				
where the medicated feed fails to meet the labeled drug potency.				
Distribution of subsequent production of the particular feed shall not begin				
until it has been determined that proper control procedures have been				
established.				

PART 225 – Current Good Manufacturing Practice for Medicated Feeds	Audit Standard Language	Analysis of Alignment of Audit Standard	Description of Gaps and Actions to Align	Additional Comments
§225.65 Equipment cleanout procedures.				
(a) Adequate cleanout procedures for all equipment used in the				
manufacture and distribution of medicated feeds are essential to maintain				
proper drug potency and avoid unsafe contamination of feeds with drugs.				
Such procedures may consist of cleaning by physical means, e.g.,				
vacuuming, sweeping, washing, etc. Alternatively, flushing or sequencing or				
other equally effective techniques may be used whereby the equipment is				
cleaned either through use of a feed containing the same drug(s) or				
through use of drug free feedstuffs.				
(b) All equipment, including that used for storage, processing, mixing,				
conveying, and distribution that comes in contact with the active drug				
component, feeds in process, or finished medicated feed shall be subject to				
all reasonable and effective procedures to prevent unsafe contamination of				
manufactured feed. The steps used to prevent unsafe contamination of				
feeds shall include one or more of the following, or other equally effective				
procedures:				
(1) Such procedures shall, where appropriate, consist of physical means				
(vacuuming, sweeping, or washing), flushing, and/or sequential production				
of feeds.				
(2) If flushing is utilized, the flush material shall be properly identified,				
stored, and used in a manner to prevent unsafe contamination of other				
feeds.				
(3) If sequential production of medicated feeds is utilized, it shall be on a				
predetermined basis designed to prevent unsafe contamination of feeds				
with residual drugs.				
Subpart D—Packaging and Labeling				
§225.80 Labeling.				

PART 225 – Current Good Manufacturing Practice for Medicated Feeds	Audit Standard Language	Analysis of Alignment of Audit Standard	Description of Gaps and Actions to Align	Additional Comments
(a) Appropriate labeling identifies the medicated feed, and provides the				
user with directions for use which, if adhered to, will assure that the article				
is safe and effective for its intended purposes.				
(b)(1) Labels and labeling, including placards, shall be received, handled,				
and stored in a manner that prevents labeling mixups and assures that				
correct labeling is employed for the medicated feed.				
(2) Labels and labeling, including placards, upon receipt from the printer				
shall be proofread against the Master Record File to verify their suitability				
and accuracy. The proofread label shall be dated, initialed by a responsible				
individual, and kept for 1 year after all the labels from that batch have been				
used.				
(3) In those instances where medicated feeds are distributed in bulk,				
complete labeling shall accompany the shipment and be supplied to the				
consignee at the time of delivery. Such labeling may consist of a placard or				
other labels attached to the invoice or delivery ticket, or manufacturer's				
invoice that identifies the medicated feed and includes adequate				
information for the safe and effective use of the medicated feed.				
(4) Label stock shall be reviewed periodically and discontinued labels shall				
be discarded.				
Subpart E—Records and Reports				
§225.102 Master record file and production records.				
(a) The Master Record File provides the complete procedure for				
manufacturing a specific product, setting forth the formulation, theoretical				
yield, manufacturing procedures, assay requirements, and labeling of				
batches or production runs. The production record(s) includes the				
complete history of a batch or production run. This record includes the				
amounts of drugs used, the amount of medicated feed manufactured, and				
provides a check for the daily inventory record of drug components.				

PART 225 – Current Good Manufacturing Practice for Medicated Feeds	Audit Standard Language	Analysis of Alignment of Audit Standard	Description of Gaps and Actions to Align	Additional Comments
(b) The Master Record File and production records shall comply with the				
following provisions:				
(1) A Master Record File shall be prepared, checked, dated, and signed or				
initialed by a qualified person and shall be retained for not less than 1 year				
after production of the last batch or production run of medicated feed to				
which it pertains. The Master Record File or card shall include at least the				
following:				
(i) The name of the medicated feed.				
(ii) The name and weight percentage or measure of each drug or drug				
combination and each nondrug ingredient to be used in manufacturing a				
stated weight of the medicated feed.				
(iii) A copy or description of the label or labeling that will accompany the				
medicated feed.				
(iv) Manufacturing instructions or reference thereto that have been				
determined to yield a properly mixed medicated feed of the specified				
formula for each medicated feed produced on a batch or continuous				
operation basis, including mixing steps, mixing times and, in the case of				
medicated feeds produced by continuous production run, any additional				
manufacturing directions including, when indicated, the settings of				
equipment.				
(v) Appropriate control directions or reference thereto, including the				
manner and frequency of collecting the required number of samples for				
specified laboratory assay.				
(2) The original production record or copy thereof shall be prepared by				
qualified personnel for each batch or run of medicated feed produced and				
shall be retained on the premises for not less than 1 year. The production				
record shall include at least the following:				
(i) Product identification, date of production, and a written endorsement in				
the form of a signature or initials by a responsible individual.				

PART 225 – Current Good Manufacturing Practice for Medicated Feeds	Audit Standard Language	Analysis of Alignment of Audit Standard	Description of Gaps and Actions to Align	Additional Comments
(ii) The quantity and name of drug components used.				
(iii) The theoretical quantity of medicated feed to be produced.				
(iv) The actual quantity of medicated feed produced. In those instances				
where the finished feed is stored in bulk and actual yield cannot be				
accurately determined, the firm shall estimate the quantity produced and				
provide the basis for such estimate in the Master Record File.				
(3) In the case of a custom formula feed made to the specifications of a				
customer, the Master Record File and production records required by 21				
CFR §225.102 shall consist either of such records or of copies of the				
customer's purchase orders and the manufacturer's invoices bearing the				
information required by 21 CFR §225.102. When a custom order is received				
by telephone, the manufacturer shall prepare the required production				
records.				
(4) Batch production records shall be checked by a responsible individual at				
the end of the working day in which the product was manufactured to				
determine whether all required production steps have been performed. If				
significant discrepancies are noted, an investigation shall be instituted				
immediately, and the production record shall describe the corrective action				
taken.				
(5) Each batch or production run of medicated feed shall be identified with				
its own individual batch or production run number, code, date, or other				
suitable identification applied to the label, package, invoice or shipping				
document. This identification shall permit the tracing of the complete and				
accurate manufacturing history of the product by the manufacturer.				
§225.110 Distribution records.				
(a) Distribution records permit the manufacturer to relate complaints to				
specific batches and/or production runs of medicated feed. This				
information may be helpful in instituting a recall.				

PART 225 – Current Good Manufacturing Practice for Medicated Feeds	Audit Standard Language	Analysis of Alignment of Audit Standard	Description of Gaps and Actions to Align	Additional Comments
(b) Distribution records for each shipment of a medicated feed shall comply				
with the following provisions:				
(1) Each distribution record shall include the date of shipment, the name				
and address of purchaser, the quantity shipped, and the name of the				
medicated feed. A lot or control number, or date of manufacture or other				
suitable identification shall appear on the distribution record or the label				
issued with each shipment.				
(2) The originals or copies of the distribution records shall be retained on				
the premises for not less than one year after the date of shipment of the				
medicated feed.				
§225.115 Complaint files.				
(a) Complaints and reports of experiences of product defects relative to the				
drug's efficacy or safety may provide an indicator as to whether or not				
medicated feeds have been manufactured in conformity with current good				
manufacturing practices. These complaints and experiences may reveal the				
existence of manufacturing problems not otherwise detected through the				
normal quality control procedures. Timely and appropriate follow-up action				
can serve to correct a problem and minimize future problems.				
(b) The medicated feed manufacturer shall maintain on the premises a file				
which contains the following information:				
(1) The original or copy of a record of each oral and written complaint				
received relating to the safety and effectiveness of the product produced.				
The record shall include the date of the complaint, the complainant's name				
and address, name and lot or control number or date of manufacture of the				
medicated feed involved, and the specific details of the complaint. This				
record shall also include all correspondence from the complainant and/or				
memoranda of conversations with the complainant, and a description of all				
investigations made by the manufacturer and of the method of disposition				
of the complaint.				

PART 225 – Current Good Manufacturing Practice for Medicated Feeds	Audit Standard Language	Analysis of Alignment of Audit Standard	Description of Gaps and Actions to Align	Additional Comments
(2) For medicated feeds whose manufacture require a medicated feed mill				
license (Form FDA 3448), records and reports of clinical and other				
experience with the drug shall be maintained and reported, under 21 CFR				
§510.301.				
Subpart F—Facilities and Equipment				
§225.120 Buildings and grounds.				
Buildings used for production of medicated feed shall provide adequate				
space for equipment, processing, and orderly receipt and storage of				
medicated feed. Areas shall include access for routine maintenance and				
cleaning of equipment. Buildings and grounds shall be constructed and				
maintained in a manner to minimize vermin and pest infestation.				
§225.130 Equipment.				
Equipment shall be capable of producing a medicated feed of intended				
potency and purity, and shall be maintained in a reasonably clean and				
orderly manner. Scales and liquid metering devices shall be accurate and of				
suitable size, design, construction, precision, and accuracy for their				
intended purposes. All equipment shall be designed, constructed, installed,				
and maintained so as to facilitate inspection and use of cleanout				
procedure(s).				
§225.135 Work and storage areas.				
Work areas and equipment used for the production or storage of				
medicated feeds or components thereof shall not be used for, and shall be				
physically separated from, work areas and equipment used for the				
manufacture and storage of fertilizers, herbicides, insecticides, fungicides,				
rodenticides, and other pesticides unless such articles are approved or				
index listed for use in the manufacture of animal feed.				
Subpart G—Product Quality Assurance				
§225.142 Components.				

PART 225 – Current Good Manufacturing Practice for Medicated Feeds	Audit Standard Language	Analysis of Alignment of Audit Standard	Description of Gaps and Actions to Align	Additional Comments
Adequate procedures shall be established and maintained for the identification, storage, and inventory control (receipt and use) of all Type A				
medicated articles and Type B medicated feeds intended for use in the				
manufacture of medicated feeds to aid in assuring the identity, strength,				
quality, and purity of these drug sources. Packaged Type A medicated				
articles and Type B medicated feeds shall be stored in designated areas in				
their original closed containers. Bulk Type A medicated articles and bulk				
Type B medicated feeds shall be identified and stored in a manner such				
that their identity, strength, quality, and purity will be maintained. All Type				
A medicated articles and Type B medicated feeds shall be used in				
accordance with their labeled mixing directions.				
§225.158 Laboratory assays.				
Where the results of laboratory assays of drug components, including				
assays by State feed control officials, indicate that the medicated feed is				
not in accord with the permissible limits specified in 21 CFR Part 225,				
investigation and corrective action shall be implemented immediately by				
the firm and such records shall be maintained on the premises for a period				
of 1 year.				
§225.165 Equipment cleanout procedures.				
Adequate procedures shall be established and used for all equipment used				
in the production and distribution of medicated feeds to avoid unsafe				
contamination of medicated and nonmedicated feeds.				
Subpart H—Labeling				
§225.180 Labeling.				
Labels shall be received, handled, and stored in a manner that prevents				
label mixups and assures that the correct labels are used for the medicated				
feed. All deliveries of medicated feeds, whether bagged or in bulk, shall be				
adequately labeled to assure that the feed can be properly used				ļ
Subpart I—Records				

PART 225 – Current Good Manufacturing Practice for Medicated Feeds	Audit	Analysis of	Description of	Additional
	Standard	Alignment of	Gaps and	Comments
	Language	Audit Standard	Actions to Align	
§225.202 Formula, production, and distribution records.				
Records shall be maintained identifying the formulation, date of mixing,				
and if not for own use, date of shipment. The records shall be adequate to				
facilitate the recall of specific batches of medicated feed that have been				
distributed. Such records shall be retained on the premises for 1 year				
following the date of last distribution.				