	TH AND HUMAN SERVICES ADMINISTRATION
DISTRICT ADDRESS AND PHONE NUMBER	DATE(S) OF INSPECTION
6th & Kipling St. (P.O. Box 25087)	6/25/2024-7/3/2024*
Denver, CO 80225-0087	3011976853
(303)236-3000 Fax: (303)236-3100	3011976633
NAME AND TITLE OF INDIVIDUAL TO WHOM REPORT ISSUED ROBERT J. Kilgore, CEO	
FIRM NAME	STREET ADDRESS
BSO LLC	12860 W Cedar Dr Ste 211
CITY, STATE, ZIP CODE, COUNTRY TYPE ESTABLISHMENT INSPECTED	
Lakewood, CO 80228-1971 Outsourcing Facility	

This document lists observations made by the FDA representative(s) during the inspection of your facility. They are inspectional observations, and do not represent a final Agency determination regarding your compliance. If you have an objection regarding an observation, or have implemented, or plan to implement, corrective action in response to an observation, you may discuss the objection or action with the FDA representative(s) during the inspection or submit this information to FDA at the address above. If you have any questions, please contact FDA at the phone number and address above.

### DURING AN INSPECTION OF YOUR FIRM I OBSERVED:

#### **OBSERVATION 1**

Procedures designed to prevent microbiological contamination of drug products purporting to be sterile did not include adequate validation of the sterilization process.

## Specifically,

FORM FDA 483 (09/08)

- a. Your firms sterilization validation studies used to sterilize pellets produced by your facility are inadequate.
  - o PQ002.01.VP, 2015 Sterile Pellets Sterilization Validation Report: Testosterone, Estradiol, Testosterone/Anastrozole, Progesterone, dated 8/13/15 (Protocol) and PQ002.01.VR, 2015 Sterile Pellets Sterilization Validation Report: Testosterone, Estradiol, Testosterone/Anastrozole, Progesterone, dated 11/04/15.
  - SV002.01.VP, 2016 Sterile Pellets Sterilization Validation Protocol: Testosterone/Cholesterol, dated 122016 and SV002.01.VR, 2016 Sterile Pellets Sterility Validation Results: Testosterone/Cholesterol.

Your firm was unable to produce evidence of the material used to perform dose mapping. Dose mapping with material of (b)(4)is used to determine the minimum and maximum dose areas within a product container, thereby establishing a loading pattern to ensure the sterilization process is reproducible. Evidence provided states "Pellets in Bottles". Since the

FORM FDA 483 (09/08)	PREVIOUS EDITION OBSOLETI	INSPECTIONAL OBSERVATION		PAGE 1 of 6 PAGES
SEE REVERSE OF THIS PAGE	Billing Straight and court with the Straight and and server as	Investigator/Consumer	Lucits B Neets to we stigned Consumer Safety Officer (Officer ) Signed By, Lucids B Neets of 2,3846 of Officer (Officer ) Signed Consumer (Officer ) Signed	DATE ISSUED 7/3/2024

		TH AND HUMAN SERVICE GADMINISTRATION	es	
DISTRICT ADDRESS AND PHON	HONE NUMBER		DATE(S) OF INSPECTION	
Denver, CO 80	ng St. (P.O. Box 25087) 80225-0087		6/25/2024-7/3/2024* FEI NUMBER	
	Fax: (303) 236-3100	3011976	853	
NAME AND TITLE OF INDIVIDUA		Ph.		
Robert J. Kil	lgore, CEO	STREET ADDRESS		
BSO LLC		12860 W Cedar Dr	Ste 211	
CITY, STATE, ZIP CODE, COUN		TYPE ESTABLISHMENT INSPECTED	3 - 33	
Lakewood, CO	80228-1971	Outsourcing Faci	lity	
material is unidentified, it is unclear if the material used has the same attenuation and scattering properties similar to those of the product, material, or substance to be (b)(4) thus establishing that products of all densities received enough (b) (4) to render them sterile.  Study PQ002.01.VR is used to qualify the sterilization process for Testosterone (12.5 mg, 25 mg, 37.5 mg, 50 mg, 62.5 mg, 70 mg, 80 mg, 87.5 mg, 100 mg, 200mg), Estradiol (6 mg, 10 mg, 12.5 mg, 15 mg, 18 mg, 20 mg, 22mg, 25, 37.5 mg, 50mg), Progesterone (50 mg, 75 mg) and Anastrozole (6mg, 10 mg, 20 mg) pellets produced in your facility.  SV002.01.VR, 2016 Sterile Pellets Sterility Validation Results: Testosterone/Cholesterol, is used to qualify the sterilization process for Testosterone/Cholesterol (12.5 mg, 25 mg, 37.5 mg, 50 mg, 62.5 mg, 70 mg, 80 mg, 87.5 mg, 100 mg/2-4%, 200mg/2-4%), pellets produced in your facility.  Additionally, the impact of the sterilization method to product quality has not been adequately assessed, for example, testosterone and progesterone post-sterilization potency drops per table in validation report.				
used for Test Testosteron Report: Test study Testos	vas unable to provide documentation stosterone/Anastrozole pellets. Sam e/Anastrozole pellets in study PQ00 tosterone, Estradiol, Testosterone/A sterone/ Anastrozole did not meet the r last manufactured batch of Testost	ples of Anastrozole 6 2.01.VR, 2015 Steril nastrozole, Progester te acceptance criteria	omg pellets were use e Pellets Sterilizatio one, dated 11/04/15	ed instead of on Validation 5. During the
All pellet produced at your firm are (b)(4) sterilized by (b) (4)  (b) (4) in lieu of sterility testing for product release.				
SEE REVERSE OF THIS PAGE	EMPLOYEE(S) SIGNATURE Lucila B Nwatu, Investigator Safety Officer	c/Consumer	357	7/3/2024
FORM FDA 483 (09/08)	PREVIOUS EDITION OBSOLETE INS	SPECTIONAL OBSERVATION	ONS	PAGE 2 of 6 PAGES

DEPARTMENT OF HEALTH AND HUMAN SERVICES FOOD AND DRUG ADMINISTRATION					
DISTRICT ADDRESS AND PHONE NUMBER	DATE(S) OF INSPECTION				
6th & Kipling St. (P.O. Box 25087)	6/25/2024-7/3/2024*				
Denver, CO 80225-0087	FEI NUMBER				
(303)236-3000 Fax: (303)236-3100	3011976853				
NAME AND THE OF HOMOLIN TO WHOM DEPOSIT 100 UP.					
NAME AND TITLE OF INDIVIDUAL TO WHOM REPORT ISSUED					
Robert J. Kilgore, CEO					
FIRM NAME	STREET ADDRESS				
BSO LLC	12860 W Cedar Dr Ste 211				
CITY, STATE, ZIP CODE, COUNTRY TYPE ESTABLISHMENT INSPECTED					
Lakewood, CO 80228-1971 Outsourcing Facility					

### **OBSERVATION 2**

Employees engaged in the manufacture and processing of a drug product lack the training required to perform their assigned functions.

Specifically,

a.	Your firm's Visual Inspection Program is inadequate. Section 6.3.2 of SOP 27, Visual
	Inspection for Liquid Injectables, Version 5.0, Effective Date 09/22/2023, defines Critical Defect
	as a defect that(b) (4)
	75.74

(b) (4)

Your firm maintains (b)(4) that is used for the qualification of personnel to perform visual inspection. The (b)(4) does not contain any examples of critical defects currently identified such as broken or cracked glass, particulate matter (glass particles), improper crimp (not gripping lip of vial), incorrect color or clarity. Your firm does not have documented evidence that the visual inspectors can identify critical defects of liquid injectable products produced in your facility.

The (b)(4) does not contain examples of all Major Defects identified in Table 1, section 7.1 of WI 27-01, Liquid Injectables Visual Inspection Procedures, Version 2.0, Effective Date 09/22/2023. Missing Major defects include Broken Caps, and Under-crimped caps. Additionally, the (b)(4) does not have examples of Minor defects such as Superficial scratches or chips on outside of vial and dropped vials. Your firm does not have documented evidence that the visual inspectors can identify all major and minor defects in liquid injectable products produced in your facility.

	- [2] [1] 전 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	EMPLOYEE(S) SIGNATURE  Lucila B Nwatu, Investigator/Consumer  Safety Officer  Lucila B Nwatu	
--	---	--	--

FORM FDA 483 (09/08) PREVIOUS EDITION OBSOLETE INSPECTIONAL OBSERVATIONS PAGE 3 of 6 PAGES

		ENT OF HEALTH AND I FOOD AND DRUG ADMINIS				
	ISTRICT ADDRESS AND PHONE NUMBER		DATE(S) OF INSPECTI	DATE(S) OF INSPECTION		
	th & Kipling St. (P.O. Box 25087) enver, CO 80225-0087 803)236-3000 Fax: (303)236-3100		6/25/2024 FEI NUMBER	6/25/2024-7/3/2024* FEI NUMBER 3011976853		
			301197685			
NAME AND TITLE OF INDIVIDUA	L TO WHOM REPORT ISSUED		Į.			
Robert J. Kil	gore, CEO					
FIRM NAME BSO LLC		STREET AD	DRESS W Cedar Dr S	+~ 211		
CITY, STATE, ZIP CODE, COUN	TRY	- Control Control	N Cedar Dr S	te ZII		
Lakewood, CO	80228-1971	Outso	ourcing Facili	ty		
b. SOP 12, does not	njectable products includer rone Cypionate/Anastro: Visual Inspection for Pocontain sufficient instruction. The SOP requires all	zole 200mg/1mg; rellets, Version 21.0 action for using the	Γestosterone Cyp ), Effective Date (b)(4)	oionate/DHEA 05/03/2024 i durii	A 200mg/10 s deficient a ng visual	
		350		(b)(4)	as (b)(4)	-
(b)(4)	. I observed technici	ans performing vis	sual inspection b	y placing an	(b)(4)	
24.		(F-) (A)		.,	1	and
then	Comment of the Commen	(b)(4)	# 5745	" on	(b)(4)	
	. The pellets are not l	- Indiana - Indi	(b)(4)		specified	
amount	of time. The use of the	(b)(4)	to hold the pell	ets, negate th	e use of the	- 100 mg
OBSERVATION Time limits are the quality of the	not established when ap	propriate for the c	ompletion of eac	h production	phase to ass	sure
Specifically,	e drug product.					
for Anastrozole 20 mg (for exan	to establish a hold time 10 mg (for example Lot apple Lot (b) (4) d of (b) (4) prior to steril	(b) (4) Expiration Date: (	xpiration Date: 0	05/08/2025) at	nd Anastroz	zole
OBSERVATIO	ON 4					
SEE REVERSE OF THIS PAGE	EMPLOYEE(S) SIGNATURE Lucila B Nwatu, Inv Safety Officer	vestigator/Cons	umer <u>x</u>	Lucille B Newalts Invest Repton/Consumer Safety Organed SPL Lucille B. Newton -S Dalle Signed: 07-03-2024 12:38-45	7/3/202	4
FORM ED A 483 (09/08)	PREVIOUS EDITION OBSOLETE	INSPECTION	NAL ORSERVATIONS		PAGE 4 of 6 P.	AGES

INSPECTIONAL OBSERVATIONS

FORM FDA 483 (09/08)

PREVIOUS EDITION OBSOLETE

		HEALTH AND HUM		
DISTRICT ADDRESS AND PHO			DATE(S) OF INSPECTION	
Oenver, CO 8	ng St. (P.O. Box 25087)		6/25/2024-7/3/2024* FEI NUMBER	
	Fax: (303) 236-3100		3011976853	
NAME AND TITLE OF INDIVIDU	AL TO WHOM REPORT ISSUED		Ŀ	
Robert J. Ki	lgore, CEO			
FIRM NAME BSO LLC		12860 W	Cedar Dr Ste 2	11
CITY, STATE, ZIP CODE, COUN	TRY	TYPE ESTABLISHMI	COMPANY WILL THE PROPERTY OF THE	1.1
Lakewood, CO	80228-1971	Outsourc	ing Facility	
already distributed Specifically,  You have not continue to the second s	te to thoroughly review any und ted.  onducted investigations to iden at 100% Visual Inspection of your second control of the second	tify the source o	f particulates iden	
			<b>F</b>	
Sec 6.3.3.3 of S	OP 27, Version 5.0, Effective	Date 09/22/2023	, states (	b)(4)
will determine i	f an investigation, deviation, of	r assessment is v	72	The Quality Manager
10/15/2024), reetc.). No invest /Anastrozole 20 Major defect (P	estosterone Cypionate/DHEA 2 jected 95 vials for Major defect igation was opened to determin 0mg /1 mg/ ml (Lot #(b) (4) article in solution: Black, white ource of the particle.	t (Particle in solution the source of Expiration	ntion: Black, white the particle. Testo in Date: 10/15/202	e, or any color fiber, sterone Cypionate 4), rejected 99 vials for
10/15/2024), re etc.) No investi /Anastrozole 20 Major defect (P	estosterone Cypionate/DHEA 2 jected 95 vials for Major defect gation was opened to determine 0mg /1 mg/ ml (Lot # (b) (4) article in solution: Black, white ource of the particle. Both lots	t (Particle in solute the source of the Expiration e, or any color fi	ntion: Black, white ne particle. Testos n Date: 10/15/202 ber, etc.) No inves	terone Cypionate 4), rejected 99 vials for stigation was opened to
SOP 27 does no	et establish limits for each type	of critical defec	t to initiate an insp	pection to the source and
SEE REVERSE OF THIS PAGE	EMPLOYEE(S) SIGNATURE Lucila B Nwatu, Investig Safety Officer	gator/Consume	Ludia B Nove Designation Officer Signed By L X	DATE ISSUED 7/3/2024  Consumer Safety Consumer Safety Consumer Safety
FORM FDA 483 (09/08)	PREVIOUS EDITION OBSOLETE	INSPECTIONAL O	DBSERVATIONS	PAGE 5 of 6 PAGES

# DEPARTMENT OF HEALTH AND HUMAN SERVICES FOOD AND DRUG ADMINISTRATION DISTRICT ADDRESS AND PHONE NUMBER 6th & Kipling St. (P.O. Box 25087) 6/25/2024-7/3/2024\* FEI NUMBER Denver, CO 80225-0087 3011976853 (303)236-3000 Fax: (303)236-3100 NAME AND TITLE OF INDIVIDUAL TO WHOM REPORT ISSUED Robert J. Kilgore, CEO FIRM NAME STREET ADDRESS BSO LLC 12860 W Cedar Dr Ste 211 CITY, STATE, ZIP CODE, COUNTRY TYPE ESTABLISHMENT INSPECTED Lakewood, CO 80228-1971 Outsourcing Facility extrinsic, intrinsic, or inherent nature of the defect. OBSERVATION 5 The written stability testing program is not followed. Specifically, Your firm lacks stability data to support the 360-day BUD for Anastrozole 10 mg and 20 mg doses. Your firm currently distributes Anastrozole 6 mg, 10 mg, and 20 mg pellets. \*DATES OF INSPECTION 6/25/2024(Tue), 6/26/2024(Wed), 6/27/2024(Thu), 6/28/2024(Fri), 7/01/2024(Mon), 7/02/2024(Tue), 7/03/2024(Wed)

EMPLOYEE(S) SIGNATURE

Safety Officer

PREVIOUS EDITION OBSOLETE

Lucila B Nwatu, Investigator/Consumer

INSPECTIONAL OBSERVATIONS

SEE REVERSE

OF THIS PAGE

FORM FDA 483 (09/08)

DATE ISSUED

7/3/2024

PAGE 6 of 6 PAGES

The observations of objectionable conditions and practices listed on the front of this form are reported:

- 1. Pursuant to Section 704(b) of the Federal Food, Drug and Cosmetic Act, or
- 2. To assist firms inspected in complying with the Acts and regulations enforced by the Food and Drug Administration.

Section 704(b) of the Federal Food, Drug, and Cosmetic Act (21 USC 374(b)) provides:

"Upon completion of any such inspection of a factory, warehouse, consulting laboratory, or other establishment, and prior to leaving the premises, the officer or employee making the inspection shall give to the owner, operator, or agent in charge a report in writing setting forth any conditions or practices observed by him which, in his judgment, indicate that any food, drug, device, or cosmetic in such establishment (1) consists in whole or in part of any filthy, putrid, or decomposed substance, or (2) has been prepared, packed, or held under insanitary conditions whereby it may have become contaminated with filth, or whereby it may have been rendered injurious to health. A copy of such report shall be sent promptly to the Secretary."