DEPARTMENT OF HEALTH AND HUMAN SERVICES FOOD AND DRUG ADMINISTRATION DISTRICT ADDRESS AND PHONE NUMBER DATE(S) OF INSPECTION 19701 Fairchild 02/23/2016 - 03/14/2016* Irvine, CA 92612 FEI NUMBER (949) 608-2900 Fax: (949) 608-4417 3003436217 Industry Information: www.fda.gov/oc/industry NAME AND TITLE OF INDIVIDUAL TO WHOM REPORT ISSUED Nadia Mohamed Ibrahim Elsayed Ibrahim, Director of Operations/Pharmacist In Charge FIRM NAME South Coast Specialty Compounding, Inc. 9257 Research Dr CITY, STATE, ZIP CODE, COUNTRY TYPE ESTABLISHMENT INSPECTED Irvine, CA 92618-4286 Producer of Sterile Drugs 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 WE OBSERVED:

OBSERVATION 1

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

Specifically,

- A. Policy and Procedure Number 6.2.0 titled "Aseptic Technique Personnel Validation" is deficient in that it does not require the firm to perform media fill simulation with worst case scenario and does not address conducting media runs for the lyophilization process. For example,
 - Ascorbic Acid P-F Non-Corn 500mg/ml injectable lot # 11242015@48B was made with batch size of yielding(b)(4) vials (non-sterile to sterile production). The following table lists the media simulation (b) (4) not meeting worst case scenario performed by personnel involved in sterile production.

Title	е	Process mimic	Media Lot	Media volume	# of vials	Vial Size	Date
(b) (6), (b) (7)	Technician	Non-sterile to	(b) (4)	(b) (4) ml	(b) (4) ials	/1_ \	/ /
(C)	Technician	sterile		ml	vials	10°	(4
	Technician]		ml .	vials		
NI,	Pharmacist			ml	vials		
b) (7) C), (b)	Technician		(b) (4)	ml	vials		
(6)	Technician			ml	ials		
	Technician]		ml	vials		
NI,	Pharmacist			ml	vials		

b. Artesunate Lyophilized Powder for Injection 60mg per vial lot # 02042016@2B was made with vial batch technician who has been making lyophilized products since until now size vielding(b) (4) vials(6) has not performed media till testing simulating the lyophilization process. The first lyophilized product made by the (b) (7)(C), technician was Chorionic Gonadotropin - Hydroxocobalamin Lyophilized Powder (5,000/2,500)

	EMPLOYEE(S) SIGNATURE Saied A. Asbagh, Investigator	DATE ISSUED
	Binh T. Nguyen, Investigator Darren S. Brown, Investigator	03/14/2016
FORM FDA 483 (09/08)	PREVIOUS EDITION OBSOLETE INSPECTIONAL OBSERVATIONS	PAGE 1 OF 9 PAGES

DEPARTM	MENT OF HEAL FOOD AND DRUG			CES			
DISTRICT ADDRESS AND PHONE NUMBER	FOOD AND DRUG	J ADMINISTRAT	DATE	B) OF INSPECTION	22-76		
19701 Fairchild			02/		- 03/14/	2016*	
Irvine, CA 92612 (949) 608-2900 Fax:(949) 608-44	17		7,000,000	3436217			
Industry Information: www.fda.go		stry					
to consider a management of the construction of the construction of the construction of the construction of the					- /pl		
TO: Nadia Mohamed Ibrahim Elsay In Charge	yed Ibrahi	m, Direct	or of (peration	ns/Pharma	acist	
FIRM NAME		STREET ADDRESS				TOTAL OR THE	
South Coast Specialty Compounding City, STATE, ZIP CODE, COUNTRY	ig, Inc.	9257 Res		r			
Irvine, CA 92618-4286		Producer		erile Dru	igs		
U/mcg per vial lot # 10312015@ to mimic the lyophilization pro lyophilized products since about Title Process mimic Med	Cess as listed October 2015	in the table	below.	was not ng Iyophiliz	involved in ed products.	n the making of	
(b) (7) Pharmacist Lyophilization (b) (4)	(b)		(b) (4)	(b) (4)	(b) (4	1)	
B. Policy and Procedure Number 3.9.0 to not address the (b) (4) of the Lyop Per NI, Pharmacist In-Charge (PIC), the (b) (4) qualified the number of vials that can lyophilized products made at the firm.	hilizer (^{(b) (4)} ne Lyophilizer	is ^{(b) (4)}	System	s, Serial # ^(b)	.(4) M	fodel # (b) (4)). The firm has not	
Product	lot	BU	ID	Quantit.	Yield	Vial size	
Trimix #3 (Phent 1mg/papaverine 15	lot 01082016@		1/2016	Quantity (b) (4)	(b) (4)	(b) (4)	
mg/pge1 20 mcg lyo sdv)							
(1/15)mg(20)mcg injectable	010000155	(66D)	/2016	(b) (4)	(b) (4)	(b) (4)	
Methyltetrahydrofolate lyophilized 20mg injectable	01082016@	(33B 7/6	/2016			(b) (4)	
Artisinate Lyophilized Powder 60 mg Injectable	02042016@)2B 8/2	/2016	(b) (4)	(b) (4)	(b) (4)	
Chorionic Gonadotropin Hydroxocobalamin Lyophilized Powder	01202016@)2B 7/1	8/2016	(b) (4)	(b) (4)	(b) (4)	
(5,000/2,500)U/mcg injectable	100 11 751		-				
* Batch record does not specify vial size. Size v	erified by Dir	ector of Busin	iess Deve	iopment.			
C. The firm has not validated the use of				rm (b) (4)			
In addition, the firm	also does no				use	d-in-the-formula	
worksheet to indicate (b) (4)	For examp	ie,					
and 100ml vial size yielding (b) (4)	and 100ml vial size yielding (b) (4) vials. Per NI, PIC, (b) (4)						
b. Heparin/Lidocaine 3,300 IU/ML	/Lidocaine 12	25 mg/ml o	olution lo	t # 0223201	6@2B was	made with batch	
	g size yielding					THE TRUE	
rather than (b) (4)					paten-record	as.	
EMPLOYEE(S) SIGNATURE		GN	1			DATE ISSUED	
SEE REVERSE OF THIS PAGE Saied A. Asbagh, I Binh T. Nguyen, In Darren S. Brown, I	vestigato	r BN				03/14/2016	
FORM FDA 483 (09/08) PREVIOUS EDITION OBSOLETE	INSPI	ECTIONAL OB	SERVATIO	ONS		PAGE 2 OF 9 PAGES	

DEPARTMENT OF HEA	LTH AND HUMAN S	ERVICES
DISTRICT ADDRESS AND PHONE NUMBER	OO ADMINIOTATION	DATE(S) OF INSPECTION
19701 Fairchild		02/23/2016 - 03/14/2016*
Irvine, CA 92612		FEI NUMBER
(949) 608-2900 Fax: (949) 608-4417		3003436217
	Industry Information: www.fda.gov/oc/industry	
NAME AND TITLE OF INDIVIDUAL TO WHOM REPORT ISSUED		**************************************
TO: Nadia Mohamed Ibrahim Elsayed Ibrah	im, Director	of Operations/Pharmacist
In Charge		
FIRM NAME	STREET ADDRESS	
South Coast Specialty Compounding, Inc.	9257 Resear	ch Dr
CITY, STATE, ZIP CODE, COUNTRY	TYPE ESTABLISHMENT INS	SPECTED
Irvine, CA 92618-4286	Producer of	Sterile Drugs

OBSERVATION 2

Clothing of personnel engaged in the processing of drug products is not appropriate for the duties they perform.

OBSERVATION 3

Aseptic processing areas are deficient regarding the system for monitoring environmental conditions.

Specifically,

- A. Policy and Procedure Number 6.5.0 titled "Environmental Monitoring" is deficient in that
 - a. The firm does not perform environmental monitoring with active air sampling continuously during production of sterile drug products.
- B. Policy and Procedure Number 6.5.1 titled "Gloved Fingertip Sampling" is deficient in that
 - a. Section 1 states "(b)(4) " and does not require operators to roll their fingertips from side to side. This practice was observed on 03/02/16 during environmental monitoring (b) (4)
 - b. "Daily Environmental Monitoring and Gloved Fingertip Sampling Program Log" states to (b) (4)

 (b) (4)

 On 03/02/16, we observed personnel sampling was performed on fingertips (b) (4)
- C. The firm follows Policy and Procedure Number 6.5.2 titled "Glove/Sterile Gown Initial Qualification" to perform initial qualification of operators working on sterile drug products with no growth result as shown in the table below. This procedure does not require the firm to roll their fingers from side to side.

SEE REVERSE OF THIS PAGE	Saied A. Asbagh, Inv Binh T. Nguyen, Inve Darren S. Brown, Inv	stigator &V	03/14/2016
FORM FDA 483 (09/08)	PREVIOUS EDITION OBSOLETE	INSPECTIONAL OBSERVATIONS	PAGE 3 OF 9 PAGES

DEPARTMENT OF HEALTH AND HUMAN SERVICES FOOD AND DRUG ADMINISTRATION DISTRICT ADDRESS AND PHONE NUMBER 02/23/2016 - 03/14/2016* 19701 Fairchild FEI NUMBER Irvine, CA 92612 (949) 608-2900 Fax: (949) 608-4417 3003436217 Industry Information: www.fda.gov/oc/industry NAME AND TITLE OF INDIVIDUAL TO WHOM REPORT ISSUED Nadia Mohamed Ibrahim Elsayed Ibrahim, Director of Operations/Pharmacist In Charge FIRM NAME STREET ADDRESS 9257 Research Dr South Coast Specialty Compounding, Inc. CITY, STATE, ZIP CODE, COUNTRY TYPE ESTABLISHMENT INSPECTED Irvine, CA 92618-4286 Producer of Sterile Drugs

Initials, Title	Date Qualified	Date Qualified	Date Qualified	Comment
b) (6), b) (7)(C) Technician Technician	/L '	\ /	4 \	No incubation temperature recorded
Technician NR*, Pharmacist	In	1 1 2		N/A No incubation temperature
(b) (7) (C). (b) Pharmacist		/ \-	т/	recorded and same recorded date and time qualified

*NR is the same employee listed as NI, PIC

OBSERVATION 4

The responsibilities and procedures applicable to the quality control unit are not in writing and fully followed.

visually inspecting Ascorbic Acid in amber vials (Lot# 02222016@1B)(b) (4)

Specifically,

- A. SOP number 6.14.0 Titled "Particulate Testing for Sterile Drug Preparations" section IV.6 states that the inspector is to (b) (4)
 However, during the walkthrough on 2/23/2016, we observed the inspector (Pharmacist) only
- B. There is no written procedure other than visual inspection procedure (6.14.0) to test for particulate matter for finished sterile drug products stored in amber vials after non-sterile to sterile, lyophilization, or sterilized process. Per, NI, PIC, the firm switched most of the clear vials to amber vials approximately a (b) (4) ago.

Preparation	Product	Lot #	BUD
Non-sterile to sterile	EDTA Calcium Disodium PF 300mg/ml Injectable	01272016@1B	7/25/2016
	MIC-B12-B6 Solution	02092016@10B	4/9/2016

SEE REVERSE Binh T. Nguyen, Investigator Darren S. Brown, Investig

FORM FDA 483 (09/08)

PREVIOUS EDITION OBSOLETE

INSPECTIONAL OBSERVATIONS

PAGE 4 OF 9 PAGES

DEPARTMENT OF HEALTH AND HUMAN SERVICES FOOD AND DRUG ADMINISTRATION DISTRICT ADDRESS AND PHONE NUMBER 19701 Fairchild Irvine, CA 92612 (949) 608-2900 Fax: (949) 608-4417 Industry Information: www.fda.gov/oc/industry NAME AND TITLE OF INDIVIDUAL TO WHOM REPORT ISSUED TO: Nadia Mohamed Ibrahim Elsayed Ibrahim, Director of Operations/Pharmacist

In Charge	STREET ADDRESS	
South Coast Specialty Compounding, Inc.	9257 Research Dr	
CITY, STATE, ZIP CODE, COUNTRY	TYPE ESTABLISHMENT INSPECTED	
Irvine, CA 92618-4286	Producer of Sterile Drugs	

	MIC-B12-B6-LCarnitine (lipoden plus) (25/50/50/5/50/50)mg/ml injectable	01282016@7B	3/28/2016	
	Taurine 50mg/ml injectable	01272016@3B	4/26/2016	
Lyophilized	Chorionic Gonadotropin- Hydroxycobalamin Lyophilized Powder 5,000/2,500) U/MCG	01202016@2B	7/18/2016	
	TRIMIX #3 (Phent 1 mg/Papaverine 15mg/pge1 20mcg lyo sdv) (1/15)mg(20)mcg injectable	01082016@54B	6/11/2016	
	Methyltetrofolate lyophilized 20mg injectable	01082016@55B	7/6/2016	
	Artesunate lyophilized powder 60 mg injectable	02042016@2B	8/2/2016	
(b) (4) Sterilized	Triamcinolone-moxifloxacin suspension injection (15/1) mg/ml injectable	12152015@41B	6/122016	

C. The firm does not have a written procedure on how to (b) (4) whether products made are individual units or a batch. Per DS, Director of Business Development, the firm normally (b) (4) (b) (4) when the firm makes a batch. There is no documentation on the formula worksheet to capture (b) (4)

(b) (4) The following products were (b) (4) was adequate to protect product integrity:

Preparation	Product	Lot #	BUD
Non-sterile to sterile ((b) (4) (b) (4)	Phentolamine 4MG/Pappvarine 30Mg/Atropine 0.2 Mg per ml injectable	0222016@62	4/7/2016
	Acetylcarnitine 200 MG/ML INJ Solution Injectable	02222016@51	4/7/2016
	Hydrogen Peroxide PF 3% Injectable	02222016@41	4/7/2016
	Methylcobalimin 12.5 MG/Folinic Acid 25MG/ML P-F Injectable	02222016@34	4/7/2016

EMPLOYEE(S) SIGNATURE	DATE ISSUED
Saied A. Asbagh, Investigator Binh T. Nguyen, Investigator Darren S. Brown, Investigator	03/14/2016
	the state of the s

FORM FDA 483 (09/08) PREVIOUS EDITION OBSOLETE INSPECTIONAL OBSERVATIONS PAGE 5 OF 9 PAGES

		DEPARTMENT OF HEAL	TH AND HUMAN	SERVICES		
DISTRICT ADDRESS AND PHO			G ADMINISTRATION		TION	
19701 Fairch	ild			Manual Manual Control of the Control	16 - 03/14/20	16*
Irvine, CA		paradet o monde mo		FEINUMBER	-tross	
	00 Fax: (949)		30034362		17	
Industry Inic	ormation: www.	fda.gov/oc/indu	stry			
		Elsayed Ibrahi		of Operat	ions/Pharmaci	st
FIRM NAME	2 20 1020	200	STREET ADDRESS	No Trans		
South Coast (Specialty Comp	ounding, Inc.	9257 Resea:			
Irvine, CA	92618-4286		Producer o	f Sterile	Drugs	
		Phentolamine 1MG/Papaverine 30MG/PGE1 10mcg ml Injectable	022220160 per	@60	4/7/2016	
		Phentolamine 1mg/papaverine 30mg/PGE1 20MCG ml Injectable	022220166 per	@55	4/7/2016	
	1	Prostaglandine E1 100MCG Injection Solution Injectable	022220166	@47	5/30/2016	
OBSERVATION Aseptic processing aseptic conditions. Specifically,	g areas are deficient	regarding the system fo	or cleaning and d	isinfecting the	room and equipmen	t to produce
A. Policy an	d Procedure Number	r 4.1.0 titled "Clean Ro	om, Cleaning, ar	nd Maintenance	of' is deficient in	that
	Section B.3 under Cland equipment." Per	leaning Schedule states	"Use ^{(b) (4)} is non-sterile.	wipes to clea	n counters, work su	rfaces, scales
b.	There is no scientific	c rationale for the use	of sporicidal clea	aning agent, (b)	(4) for-(b) (4)	-(b) (4)
B. Policy an state	d Procedure Numbe	r 3.9.0 titled "Lyophiliz	zer Standard Ope	erating Procedu	re" is deficient in th	at it does not
		nd (b) (4) Director of Corporate D	District Control of the control of t	ctual practice,	the firm used non-	sterile ^{(b) (4)} -
b.	the lyophilizer clean	ing log only documents	s the use of the) (4)	and not(b)(4)	
c.		ing (ISO 7 or non-class	sified area) where	the lyophilize	r is to be cleaned	
	EMPLOYEE(S) SIGNATURE		-A		DA	TE ISSUED
SEE REVERSE OF THIS PAGE	Binh T. Nguy	agh, Investigato en, Investigato own, Investigat	r RJ		0	3/14/2016
			.0 0			

INSPECTIONAL OBSERVATIONS

FORM FDA 483 (09/08)

PREVIOUS EDITION OBSOLETE

PAGE 6 OF 9 PAGES

DEPARTMENT OF HEALTH AND HUMAN SERVICES FOOD AND DRUG ADMINISTRATION			
DISTRICT ADDRESS AND PHONE NUMBER	and the second of the second	DATE(S) OF INSPECTION	
19701 Fairchild		02/23/2016 - 03/14/2016*	
Irvine, CA 92612 (949) 608-2900 Fax:	(949) 608-4417	3003436217	
Industry Information:	with the same and		
NAME AND TITLE OF INDIVIDUAL TO WHOM REPORT ISSUED			
TO: Nadia Mohamed Ibrahim Elsayed Ibrahim, Director of Operations/Pharmacist			
In Charge			
South Coast Specialty Compounding, Inc.		9257 Research Dr	
CITY, STATE, ZIP CODE, COUNTRY		TYPE ESTABLISHMENT INSPECTED	
Irvine, CA 92618-428	36	Producer of Sterile Drugs	
Per the NI, PIC, this section applies to cleaning of the inside and outside of the lyophilizer. C. The firm has not conducted cleaning validation studies of the (b) (4) products such as Ascorbic Acid and Heparin/Lidocaine. The firm also has no written cleaning procedure for the cleaning of the (b) (4) Cleaning Log" with (b) (4) Cleaning Log" with (b) (4)			
OBSERVATION 6 There was a failure to handle and store drug product containers and closures at all times in a manner to prevent contamination.			
Contamination.			
Specifically,			
Policies and Procedures 3.3.1 titled "Vials, (b) (4) 3.3.2 titled "Glasswar			
for Sterile Compounding – (b		and 3.3.3 titled "Stoppers – (b) (4)	
are deficient in	All the state of t		
^{''}			
 A. The sterilized vials and stoppers are stored in (b) (4) production area for future use as needed without any expiration or end of use date. On 02/23/16, we observed several (b) (4) vials and stopper bags labeled "sterilized" were stored on shelves situated in (b) (4) production area. B. No hold-time studies have been conducted to assure sterility of the container / closure systems. For example, vials which were used to produce the following products had the following hold-times. 			
Product	Container/Closure	Lot No.	
Triamcinolone /	Vial	(b) (4)	
Moxifloxacin Inj TS	Stopper	- (D)(4)	
Lot # 02092016@60B	1,000		
Phontolomina / Prostoclo	ndin Vial	(b) (4)	
Phentolamine / Prostagla Lyo	1. SECTION		
Lot # 02112016@6B	Stopper		
Taurin Inj	Vial	(b) (4)	
Lot # 11232015@46B	Stopper		
EMPLOYEE(S) SIGNATURE		CA	
SEE REVERSE Binh T.	 Asbagh, Investigat Nguyen, Investigato Brown, Investigat 	or 6w	
		~6	
FORM PDA 463 (88/89)	INSP	FOTIONAL ORSEDVATIONS DAGE 2 OF 9 DAGES	

ORM FDA 483 (09/08

PREVIOUS EDITION OBSOLETI

INSPECTIONAL OBSERVATIONS

PAGE 7 OF 9 PAGES

DEPARTMENT OF HEALTH AND HUMAN SERVICES FOOD AND DRUG ADMINISTRATION DISTRICT ADDRESS AND PHONE NUMBER DATE(S) OF INSPECTION 19701 Fairchild 02/23/2016 - 03/14/2016* Irvine, CA 92612 (949) 608-2900 Fax: (949) 608-4417 3003436217 Industry Information: www.fda.gov/oc/industry Nadia Mohamed Ibrahim Elsayed Ibrahim, Director of Operations/Pharmacist In Charge STREET ADDRESS South Coast Specialty Compounding, Inc. 9257 Research Dr CITY, STATE, ZIP CODE, COUNTRY TYPE ESTABLISHMENT INSPECTED Irvine, CA 92618-4286 Producer of Sterile Drugs

OBSERVATION 7

Buildings used in the manufacture, processing, packing or holding of drug products are not maintained in a clean and sanitary condition.

Specifically,

- A. The firm has no written procedure to describe the number of items allowed to be placed in ISO 7 filling room. On 02/23/16, we observed this ISO 7 filling room to have a(b) (4) four carts full of bags, containers on the floor shelf, and equipment while(b) (4) technicians were working.
- B. On 02/24/16, we observed the double-doors in the back of the facility have gaps at both the bottom (approximately 1/2 inch) and top (approximately 1/16 inch) of the door when they are closed. One of the doors was not tightly shut and the rolling door was also not shut. The double door is located between the non-classified production area and an exterior metal roll up door.
- C. On 03/02/16, we observed a single door in the back of the facility had been kept open using a door stopper.
- D. There are one restroom and one break room located in the main production area where personnel wearing scrubs and shoe covers throughout the day can enter restroom and break room and then go back into sterile production area where sterile gowning is not completely donned.

OBSERVATION 8

Routine calibration of equipment is not performed according to a written program designed to assure proper performance.

Specifically, the pH meter used to measure the product pH has been calibrated (b) (4) pH levels, i.e (b) (4) The following products, however, were tested outside the calibrated range:

- A. Heparin/Lidocaine, 1/11/16, lot no. 01112016@55B, pH (b) (4)
- B. Poly-MVA solution, 1/8/16, lot no. 01082016@1B, pH(b) (4)
- C. Folic Acid solution, 9/17/15, lot no. 09172015@27B, pH(b) (4)

SEE REVERSE
OF THIS PAGE

EMPLOYEE(S) SIGNATURE

Saied A. Asbagh, Investigator
Binh T. Nguyen, Investigator
Darren S. Brown, Investigator

FORM FDA 483 (09/08)

PREVIOUS EDITION OBSOLETE

INSPECTIONAL OBSERVATIONS

PAGE 8 OF 9 PAGES

DEPARTMENT OF HEALTH AND HUMAN SERVICES FOOD AND DRUG ADMINISTRATION				
DISTRICT ADDRESS AND PHONE NUMBER	DATE(S) OF INSPECTION			
19701 Fairchild	02/23/2016 - 03/14/2016*			
Irvine, CA 92612	FEI NUMBER			
(949) 608-2900 Fax: (949) 608-4417	3003436217			
Industry Information: www.fda.gov/oc/indu	ustry			
	im, Director of Operations/Pharmacist			
In Charge	**************************************			
FIRM NAME	STREET ADDRESS			
South Coast Specialty Compounding, Inc.	9257 Research Dr			
Irvine, CA 92618-4286	Producer of Sterile Drugs			
* DATES OF INSPECTION:	(F-1) 02/20/2014(14-1) 02/01/2014(Third) 02/02/2014(Third)			
02/23/2016(Tue), 02/24/2016(Wed), 02/25/2016(Thu), 02/26/2016(Fri), 02/29/2016(Mon), 03/01/2016(Tue), 03/02/2016(Wed), 03/04/2016(Fri), 03/07/2016(Mon), 03/08/2016(Tue), 03/09/2016(Wed), 03/11/2016(Fri), 03/14/2016(Mon)				
03/04/2010(F11), 03/07/2010(Moli), 03/08/2010(Tue), 03/03/2010(Wed), 03/11/2010(F11), 03/14/2010(Moli)				
**				

SEE REVERSE OF THIS PAGE Saied A. Asbagh, Investigator
Binh T. Nguyen, Investigator
Darren S. Brown, Investigator

DATE ISSUED

03/14/2016

FORM FDA 483 (09/08)

PREVIOUS EDITION OBSOLETE

INSPECTIONAL OBSERVATIONS

PAGE 9 OF 9 PAGES