	OF HEALTH AND HUMAN SERVICES AND DRUG ADMINISTRATION
60 Eighth Street NE Atlanta, GA 30309 (404) 253-1161 Fax: (404) 253-1202 Industry Information: www.fda.gov/oc	03/18/2013 - 03/25/2013 FEI NUMBER
TO: Chalmas Craig Stewart, Pharmaci	ist and Owner
Stewart Compounding Pharmacy	STREET ADDRESS 101 Broadfoot Avenue TYPE ESTABLISHMENT INSPECTED
Fayetteville, NC 28305 Producer of Sterile Drug Products	

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

Each batch of drug product purporting to be sterile and pyrogen-free is not laboratory tested to determine conformance to such requirements.

Specifically,

- A. The firm has not performed any sterility or endotoxin testing on the Human Chorionic Gonadotropin/Vitamin B12 Injection products (pre-filled syringes or vials) produced from November 2012 to present.
- B. The firm has not conducted any sterility testing for Cyanocobalamin (Vitamin B12) Injection produced in 2012 to present and only one of the lots have been tested for endotoxins.
- C. The firm does not routinely perform sterility or endotoxin testing on their sterile injectable products even though expiration dates for these products range from 7 to 180 days.

OBSERVATION 2

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

Specifically,

A. There is no assurance that the Human Chorionic Gonadotropin (HCG)/Vitamin B12 injectable product is sterile and pyrogen free when dispensed and throughout the assigned expiration date of 90 days as evidenced by the following:

SEE REVERSE OF THIS PAGE Penny H. McCarver, Investigator Viviana Matta, Investigator

Matta

03/25/2013

FORM FDA 483 (99/96)

PREVIOUS EDITION OBSOLETE

INSPECTIONAL OBSERVATIONS

PAGE I OF 8 PAGES

DEPARTMENT OF HEALTH AND HUMAN SERVICES FOOD AND DRUG ADMINISTRATION			
DISTRICT ADDRESS AND PHONE NUMBER		70	DATE(S) OF INSPECTION 03/18/2013 - 03/25/2013
60 Eighth Street NE Atlanta, GA 30309			FEI NUMBER
(404) 253-1161 Fax: (404)	253-1202		3010078549
Industry Information: www			
TO: Chalmas Craig Stewar	t, Pharmacist ar	nd Owner	
Stewart Compounding Pharm	acy	101 Broadfoo	
CITY, STATE, ZIP CODE, COUNTRY		Producer of	
Fayetteville, NC 28305 Producer of Sterile Drug Products			
 The sterilization process In the Mannitol Powder, USP (non-sterile) used in the formulation of the HCG/Mannitol bulk powder mixture has not been validated and the firm has no scientific justification to support that this process will sterilize the Mannitol. Aseptic filling processes for this product including the dilution of the HCG/Mannitol (bulk powder mixture) with Vitamin B12 (multi-use vials) and the preparation of the pre-filled syringes are both conducted outside the clean room in an unclassified area of the general pharmacy as reported to us by the pharmacist. The HCG/Vitamin B12 (Cyanocobalamin) injectable finished product is not sterile filtered or terminally sterilized using an autoclave. The finished products (vials or pre-filled syringes) have never been tested for sterility or endotoxins. 			
5. There are no formulation worksheets for the transfer of the HCG/Mannitol (bulk powder mixture) to smaller vials, the dilution of the vials with Vitamin B12, or the preparation of the pre-filled syringes. B. Sterilization cycles executed utilizing the (b) (4) for sterile ophthalmic products and instruments used during aseptic processing have not been validated to assure that the cycles are capable of producing sterile			
products/instruments. For example, Medroxyprogesterone Acetate 1% Ophthalmic Suspension and Cyclosporin 0.05% Suspension products are sterilized utilizing this by sterilizer (b) Instruments sterilized include small items used during aseptic processing such as spatulas. The sterilization cycle for the instruments is (b) (4) as specified in SOP 8.010, "Sterilization and Depyrogenation". The firm has no documentation that the instruments have been sterilized under these conditions.			
OBSERVATION 3			
Testing and release of drug product for distribution do not include appropriate laboratory determination of satisfactory conformance to the identity and strength of each active ingredient prior to release.			
Specifically,	Specifically,		
There is little assurance that the Huma homogeneous mixture of the HCG/Ma			
amount (125 units). When I reviewed was listed (0.125 mL = 125 units) in so this statement the next day and stated to	e adjusted the patient's do prescriptions filled with ome cases and others stat that he actually diluted th	osage based on the h this lot from 1/18/ ted only inject one his lot with double t	potency to assure they received the same /13-2/22/13 I noted that the usual dosage pre-filled syringe. The pharmacist recanted the amount of Vitarian B12 for those
SEE REVERSE OF THIS PAGE	arver, Investigata, Investigator	1/1118	x). N/ (ane) DATE RESULED 03/25/2013

INSPECTIONAL OBSERVATIONS

PAGE 2 OF 8 PAGES

FORM FDA 483 (09/06)

PREVIOUS EDITION OBSOLETE

DEPARTMENT OF HEALTH AND HUMAN SERVICES FOOD AND DRUG ADMINISTRATION DATE(S) OF INSPECTION DISTRICT ADDRESS AND PHONE MAMBER 03/18/2013 - 03/25/2013 60 Eighth Street NE FEI NUMBER Atlanta, GA 30309 3010078549 (404) 253-1161 Fax: (404) 253-1202 Industry Information: www.fda.gov/oc/industry NAME AND TITLE OF INDIVIDUAL TO WHOM REPORT ISSUED Chalmas Craig Stewart, Pharmacist and Owner STREET ADDRESS 101 Broadfoot Avenue Stewart Compounding Pharmacy TYPE ESTABLISHMENT INSPECTED CITY, STATE, ZIP CODE, COUNTRY Producer of Sterile Drug Products Fayetteville, NC 28305

prescriptions filled from 1/18/13-2/22/13 to assure the correct dosage was received.

This lot of the bulk powder mixture was tested again on 2/22/13 and failed potency with a result of 37.6% (Specification:). The pharmacist said that he adjusted the patient's dosage based on the potency to assure they received the same amount (125 units) which I verified.

This HCG/Mannitol lot was later remixed with 200 mg Vitamin B12 (because it would impart color) in order to achieve better mixing of the HCG/Mannitol and dilute it to normal potency. However, the firm has no formula worksheet or other documentation showing this remixing occurred. This lot was then assigned the new lot number of HCG62012, the lot was retested, and potency results on 3/8/13 were found to be 92.8%.

OBSERVATION 4

The written stability testing program is not followed.

Specifically,

SOP 9.050, "Beyond-Use Dating (BUD) of Compounded Preparations" requires that expiration dates shall be assigned based on current drug stability information and sterility considerations. The procedure also requires that a reliable method for determining expiration dates shall be established, including laboratory testing of product stability, pyrogenicity, and chemical content when necessary. There is no stability data including sterility data to support the current expiration dates of up to 180 days assigned to sterile products filled on site for further use in solutions or sold as finished products.

OBSERVATION 5

Procedures designed to prevent microbiological contamination of drug products purporting to be sterile are not established. written, and followed.

Specifically,

A. The firm failed to (b) (4) the following products as required by the Formula Worksheets:

Cyanocobalamin Injection- Lot 02052013+8348@3, Lot 02282013+8961@5, and Lot 02282013+8957@3.

Hydroxyprogesterone Caproate Oil Injection Solution- Lot 02072013+8450@1, Lot 02282013+8965@7, and Lot 01152013+7778@5.

SEE REVERSE OF THIS PAGE

Penny H. McCarver, Investigator

Viviana Matta, Investigator

03/25/2013

PORM FDA 483 (99/96)

PREVIOUS EDITION ORSOLETE

EMPLOYEE(S) SIGNATURE

INSPECTIONAL OBSERVATIONS

PAGE 3 OF 8 PAGES

	FOOD AND DRUG	TH AND HUMAN SERVICES ADMINISTRATION	
CHETRICT ADDRESS AND PHONE	NUMBER	DATE(S) OF INSPECTION	
60 Eighth Stre	1 03/18/2013 = 0		13
	Fax: (404) 253-1202	3010078549	
Industry Infor	mation: www.fda.gov/oc/indu	stry 3010078549	
TO: Chalmas	Craig Stewart, Pharmacist an		
PIPEM NAME		STREET ADDRESS	**************************************
CITY, STATE, ZIP CODE, COUNTR	unding Pharmacy 101 Broadfoot Avenue		
Fayetteville,	NC 28305	Producer of Sterile Drug Products	,
Papaverine/Phentolamine/Prostadil Injection- Lot 02282013+8967@8 Vancomycin Opthalmic Solution- Lot 02272013+8927@6 Atropine Sulfate Solution- Lot 02272013+8931@8 Heparin/Lidocaine/Sodium Bicarbonate Injection- Lot 01252013+8055@4 B. The firm used expired (b) (4) for the following products: Papaverine/Phentolamine Injection- Lot 02072013+8455@4 (produced 2/7/13; (b) (4) expired 1/12). Heparin/Lidocaine/Sodium Bicarbonate Injection- Lot 02072013+8453@3 (produced 2/7/13; expired 10/11). C. Hydroxyprogesterone Caproate Oil Injection Solution, Lot 03072013+9187@2, was(b) (4) using an (b) (4)			
; however, the firm's procedures state that this (b) should not be used with benzyl alcohol or benzyl benzoate which are both used in the formulation of this product. D. There is no (b) (4) performed to assure the integrity of the (b) (4) as described in SOP 4.210, "Use and Maintenance of the (b) (4) ". The aseptic operator stated that he verifies the integrity of the (b) (4) (4)			
E. The (b) (4) used for the sterilization of sterile ophthalmic products and instruments used during aseptic processing has not been qualified to ensure adequate heat distribution and penetration. F. The (b) (4) used for the incubation of environmental monitoring samples and biological indicators (used to verify sterilization cycles in the (b) (4) has not been qualified. Additionally, the thermometer used in this incubator has not been calibrated to ensure its accuracy.			
G. Biological indicators are not used to monitor sterilization processes in the the sterilization of sterile ophthalmic products and instruments utilized during aseptic processing. The aseptic technician stated that he has only used the chemical indicators to verify the sterilization cycles. Additionally, the formulation worksheets for Medroxyprogesterone Acetate 1% Ophthalmic Suspension (Lots 31412LAY1100, 91312LAYB, 61212LAY500, & 01282013+8116@19) and Cyclosporin 0.05% Suspension (Lot 04262012+1249@3) document that only			
SEE REVERSE OF THIS PAGE	Penny H. McCarver, Investi Viviana Matta, Investigato	Umana latta	03/25/2013
FORM FDA 463 (69-96)	PREVIOUS EDITION OBSOLETE INS	PECTIONAL OBSERVATIONS	PAGE 4 OF 8 PAGES

FORM FDA 463 (4946)

		NT OF HEALTH AND	ID HUMAN SERVICES NISTRATION	
DISTRICT ADDRESS AND	PHONE NUMBER	OU AND DES	DATE(S) OF INSPECTION	
60 Eighth Atlanta, G			03/18/2013 - FEI NUMBER	03/25/2013
(404) 253-	1161 Fax: (404) 253-1202		3010078549	
NAME AND TITLE OF INDI	nformation: www.fda.gov/			
TO: Chalm	as Craig Stewart, Pharma	cist and Own	IET MODRESS	
Stewart Con	mpounding Pharmacy		Broadfoot Avenue	
1 may 20	ayetteville, NC 28305 Producer of Sterile Drug Products			Products
(b) chemical in	dicators were used to verify the steri	ilization cycle.		
container/closur	documentation that the sterile producted defects, etc. prior to distribution are defects, etc. prior to distribution are defects as the visual inspection.			
including Cyano (Sesame Seed O 100mg/ml Inject	ntimicrobial effectiveness testing data ocobalamin (Vitamin B12) 1000mcg/ bil) Injectable, Nalbuphine HCL 20m table Solution, Medroxyprogesterone table Suspension.	/ml Injectable Solu ng/ml Injectable So	ution, Hydroxyprogesterone Cap olution, Cyanocobalamin 1000m	proate 250mg/ml ncg/Pyridoxine
ISO 5 flow hood has been conduct incubation tempe surface, buffer ro monitoring progr identify/locate the	vritten procedures describing the envil or personnel monitoring. The only ted are handwritten logs(dated 2/28/erature, colony forming units found, from, or anteroom). Neither the pharmam requirements, identify/locate the media that is currently to be used, mentation of any environmental monitorial monitoria	documentation that 11-2/5/13) with the and a comment seemacist or the asepte type of media that or tell me the length	at any environmental monitoring the test date, prepared by initials, ection (which states only fingerti- tric technician could describe the at had been used for the previous gth of time the samples were inc	g/personnel monitoring media lot number, tip, surface, hood e environmental is sampling, cubated. Additionally,
K. The unidirectic smoke studies) un	onal flow of air in the ISO 5 air flow nder dynamic conditions to ensure ac	hood has not becalequacy for use	a confirmed through visual mec	chanisms (such as
recertificat	sampling conducted of viable particle tion of this area until January 2013. of viable particulates.	es in the clean room. The recertification	m including the ISO 5 air flow in conducted in July 2012 did no	hood during the (4)
M. There is no san	npling conducted for viable/non vial	ble particulates du	ring aseptic processing in the IS	SO 5 air flow hood.
High Risk CSP Sol states that all vials test result log (7/25 compounding techn	nentation provided describing the firelution", that describes the filling of should be incubated (b) (4) (5/12-2/5/13) documents that the incumicians and aseptic operations are also activities that could provide a chall	sterile vials with a ubation temperatur lso deficient in that	a syringe for controls/samples. The syringe for controls/samples. He re was 35°C. The media fills controls they do not support routine profit they do not support routine profit.	The worksheet also lowever, the media fill onducted to qualify
SEE REVERSE OF THIS PAGE	Penny H. McCarver, Inve Viviana Matta, Investig		enay VIN Carre	03/25/2013
FORM FDA 483 (99/86)	PREVIOUS EDITION OBSOLETE	INSPECTIONAL O	OBSERVATIONS	PAGE 5 OF 8 PAGES

DEPARTMENT OF HEALTH AND HUMAN SERVICES FOOD AND DRUG ADMINISTRATION				
DISTRICT ADDRESS AND PHO	HE HAMBER	U ADMILLER TO	DATE(S) OF INSPECTION	
60 Eighth St: Atlanta, GA	reet NE		03/18/2013 - 03/25	/2013
(404) 253-11	61 Fax: (404) 253-1202		3010078549	
Industry Info	ormation: www.fda.gov/oc/indu	stry		
TO: Chalmas	Craig Stewart, Pharmacist an	nd Owner		
Stewart Compo	ounding Pharmacy	101 Broadfo		
STATE OF THE PARTY		TYPE ESTABLISHMENT INS	PECTED	3.
Fayetteville,			Sterile Drug Produ	
the current aseptic the samples exhibi requirements for n	ventions or representative container/closure is technician performed 2/5/13 (Lot 0205201) it microbial growth the test must be repeated nedia fills. mulation worksheet (i.e. instructions) for the	3+8348@3). Addi d until passed. The	itionally, the formual worksh ere are no written procedure	neet states that if is describing the
A. Sterilization and executed producing sterile/p support that the rule The non-sterile via Hydroxyprogestero	tainers and closures were not clean and steril ble for their intended use. d depyrogenation cycles (b) (4)	have not be sware used in asep ing them in the (b) (tamin B12 sterile in crilization/depyroge	een validated to ensure cycle tic processing. The firm also under the above li injectable products and the enation process. Additional	es are capable of has no data to sted conditions.
not been calibrated	ensure adequate heat distribution and penetral to ensure its accuracy.		<u> </u>	this (b) has
C. The aseptic tech vials/rubber stoppe	nnician stated that he has used the (b) (4) ers used in aseptic processing since 2/18/13 b	out this has not bee	to sterilize/depyrogenate en documented.	e glass
(b) (4) strip remained purp	to verify that the glass vialed this indicated that the vials/stoppers were a labeled for use as a biological indicated that the vials/stoppers were a labeled for use as a biological indicated that the vials/stoppers were a labeled for use as a biological indicated that the vials/stoppers were a labeled for use as a labeled for use a labeled for use a labeled for use a labeled for use	s/rubber stoppers ve e depyrogenated. I	were depyrogenated. He star However, the biological indi	ted that if the
		$\overline{}$	0//	
SEE REVERSE OF THIS PAGE	Penny H. McCarver, Investigativity Viviana Matta, Investigator	Vena	N. M. Marves	03/25/2013

INSPECTIONAL OBSERVATIONS

FORM FDA 483 (99/06)

PREVIOUS EDITION OBSOLETE

PAGE 6 OF 8 PAGES

DEP	ARTMENT OF HEALTH AND HUM FOOD AND DRUG ADMINISTRAT	
DISTRICT ADDRESS AND PHONE NUMBER 60 Eighth Street NE Atlanta, GA 30309 (404) 253-1161 Fax: (404) 253 Industry Information: www.fda	3-1202	DATE(8) OF INSPECTION 03/18/2013 - 03/25/2013 FEI NUMBER 3010078549
TO: Chalmas Craig Stewart,	Pharmacist and Owner	*
Stewart Compounding Pharmacy	101 Broad	dfoot Avenue
CITY, STATE, ZP CODE, COUNTRY Fayetteville, NC 28305		
foil for an undetermined amount of time be cylinders, etc.) used in aseptic processing to shelf in an unclassified area of the general	efore use in aseptic processes. Act that have been sterilzed/depyroge	in the Class 7 area of the clean room wrapped in dditionally, the glassware (beakers, graduated enated is stored wrapped in aluminum foil on a amount of time.
OBSERVATION 7 Aseptic processing areas are deficient regards aseptic conditions. Specifically,	arding the system for cleaning and	d disinfecting the room and equipment to produc
2/18/13 as required by SOP 3.020, "Clean pharmacist stated that aseptic processing v. B. Cleaning/sanitization records for the clean (b) (4) have been used since Maintenance of the Clean Room Facility" cleaning and (b) (4) bleach is used. Additionally, the cleaning/	ting and Maintenance of the Clean was conducted in the clean room decean room document that only (b) May 2012 for the daily and mont requires the use of diluted (b) (4) for monthly cleaning but there sanitization records since May 20 at the pharmacist in charge or support	thly cleaning. SOP 3.020, "Cleaning and for daily e are no contact times specified except when 012 do not include any signatures or dates of the pervisor shall supervise and document that all
Clothing of personnel engaged in the processor Specifically, SOP 9.100, "Required Garb For Clean Rollso 7 and ISO 5 clean room areas include single pair of non-sterile shoe covers, a significant of the processor of the processo	oom Facility Access", that describe	es the requirements for operators working in the non-shedding disposable labcoat (non-sterile), a
	Investigator UM	where lette 03/25/201

DEPARTMENT OF HEAT	LTH AND HUMAN SERVICES UG ADMINISTRATION	
DISTRICT ADDRESS AND PHONE NUMBER	DATE(S) OF INSPECTION 03/18/2013 - 03/25/2013	
60 Eighth Street NE Atlanta, GA 30309	FEI NUMBER	
(404) 253-1161 Fax: (404) 253-1202	3010078549	
Industry Information: www.fda.gov/oc/indu	stry	
TO: Chalmas Craig Stewart, Pharmacist an	nd Owner	
FIRM NAME	STREET ADDRESS	
Stewart Compounding Pharmacy	101 Broadfoot Avenue	
CITY, STATE, ZIP CODE, COUNTRY	TYPE ESTABLISHMENT INSPECTED	
Fayetteville, NC 28305	Producer of Sterile Drug Products	

OBSERVATION 9

Aseptic processing areas are deficient regarding air supply that is filtered through high-efficiency particulate air filters under positive pressure.

Specifically,

The magnahelic gauges for the clean area read 0.02 inches of water for the differential pressure between the buffer area/anteroom and 0.005 inches of water between the anteroom/hallway (outside of the clean room area) on each day of the inspection. There are no procedures specifying the required temperature, humidity, or pressure in the clean room other than the monitoring records/logs. The monitoring records for April 2012-July 2012 show that only the buffer/anteroom pressure was documented and the requirement is listed as > 0.02 inches of water. The monitoring records for August 2012 show that the requirement for both areas is > 0.2 inches of water (documented readings for buffer/anteroom were 0.03 and readings for the anteroom/hallway were 0.01). The monitoring records for September 2012-November 2012 show that the requirement for both areas has been changed (handwritten on the form) to < 0.2 inches of water with actual readings of 0.03 for the buffer/anteroom and 0.01 for the anteroom/hallway. The monitoring records for December 2012-February 15, 2013 show the requirement for both areas is > 0.2 inches of water with actual readings of 0.020-.025 for the buffer/anteroom and 0.01 for the anteroom/hallway. There is no documentation of the clean room temperature or differential pressures since February 18, 2013.

OBSERVATION 10

Aseptic processing areas are deficient in that floors are not smooth and/or hard surfaces that are easily cleanable.

Specifically,

The floor in the clean room area (ISO Class 5 and 7) has grooves/pockets which would be difficult to adequately clean.

EMPLOYEE(S) SIGNATURE

SEE REVERSE OF THIS PAGE Penny H. McCarver, Investigator Viviana Matta, Investigator

Elevare Metta

DATE ISSUED

03/25/2013

FORM FDA 483 (09/06)

PREVIOUS EDITION OBSOLETE

INSPECTIONAL OBSERVATIONS

PAGE 8 OF 8 PAGES