DEPARTMENT OF HEALTH AND HUMAN SERVICES FOOD AND DRUG ADMINISTRATION			
DISTRICT ADDRESS AND PHONE NUMBER		IATE(S) OF INSPECTION	
60 Eighth Street NE		02/19/2013 - 03/01/2013	
Atlanta, GA 30309		EINUMBER	
(404) 253-1161 Fax: (404) 253-1202		3004969894	
Industry Information: www.fda.gov/oc/indu	stry		
NAME AND TITLE OF INDIVIDUAL TO WHOM REPORT ISSUED			
TO: Danny Barnes, Pharm D., Pharmacist I	n Charge/Owner	r ·	
FIRM NAME	STREET ADDRESS		
Triangle Compounding			
CITY, STATE, ZIP CODE, COUNTRY	TYPE ESTABLISHMENT INSPEC	TED	
Cary, NC 27511-7412	Producers of	Sterile Drug Product	

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**

There is a failure to thoroughly review any unexplained discrepancy and the failure of a batch or any of its components to meet any of its specifications whether or not the batch has been already distributed.

Specifically,

Investigations into sterility failures reported by the firm for Sodium Bicarbonate 8.4% PF Inj (4/5/12) and Avastin 2.5 mg Lot# 77711-LG4973(10/27/12) and #80623-LG4973 (10/20/12) are not supported by data in order to substantiate the firm's reported actions of re-testing samples in order to release the lot from quarantine status and make them available for use. Initial reported sterility failures were not attributed to laboratory error or to sample handling, but additional samples were retested to determine that the batch was sterile without determination of root cause for the failure or full documentation of the investigation process. Avastin Lot 77711-LG4973 and Sodium Bicarbonate Lot 11035-29 were subsequently distributed.

Furthermore, a formal procedure for handling out of specification tests results or non-conforming tests is not available. Policies in place for "Outside Lab Testing, 6.080", and "Skip Lot Random COA Testing, 6.070", include provisions for the evaluation of a compound not meeting expected parameters, but include actions such as re-tests, modification of compounding areas or alteration of storing/shipping conditions to address failures on tests. Root cause determination is not required by the policies in place to ensure adequacy of corrective/preventive actions or full documentation of such activities.

SEE REVERSE OF THIS PAGE Bonita S Chester, Investigator Noreen Muniz, Investigator Bonila S. Chaster

DATE ISSUED

03/01/2013

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DISTRICT ADDRESS AND PHON		IG ADMINISTRATION	DATE(S) OF INSPECTION	<del></del>
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Atlanta, GA	30309 1 Fax:(404) 253-1202	6.0	FEI NUMBER	
	ormation: www.fda.gov/oc/indu	ıstrv <sup> </sup>	3004969894	
NAME AND TITLE OF INDIVIDUA	L TO WHOM REPORT ISSUED			
TO: Danny Ba	arnes, Pharm D., Pharmacist 1	n Charge/Own	er	
Triangle Comp	ounding		erly Pl Ste 110	
	11-7412		f Sterile Drug Produ	iet
Cary, No 270	7312	rioducers o	1 Sterrie Drug 110dt	
OBSERVATION	V 2 ned to prevent microbiological contaminat	ion of drug produc	ets numarting to be sterile do.	not include
	sterilization process.	ion or trug produc		not morado
0				
Specifically,				
		:		
during routine sterile product Compounding	processing have not been validated s. For example, the following prod 30mg/ml; Cyclosporine Ophth 0.50 truments sterilized include small its	ucts are steriliz % Suspension,	ed in the <mark>(b) (4):</mark> : Bupi Triamcinolone Hexaceto	producing ivicaine For mide 3mg/ml
cycles are capa following proc injectable, Hyd	cycles executed on (b) (4) able of producing sterile products of lucts are sterilized in the (b) (4) droxyprogesterone Caproate 250mg rilized include beakers used during	: Hydroxy ml PF injectab	yprogesterone Caproate 2 ble, and Phenol Oil 5% in	mple, the 250mg/ml
OBSERVATION	13			
The control syste	ms necessary to prevent contamination or	mix-ups are defici	ent.	
	our current environonmental progra inadequate in that:	am for monitori	ng and controlling the IS	O 5 clean
evaluate worst	Process Simulation Testing conductions are deficient. Simulation tests case activities that could provide a ct sterility (i.e. interventions, representations).	do not support challenge to m	routine processing opera anual aseptic operations	tions or and present
	rface sampling is not being conduc classified as ISO 5.	ted in areas adj	acent to the aseptic proce	essing room,
	EMPLOYEE(S) SIGNATURE	-D	1 1 11/1	DATE ISSUED
SEE REVERSE OF THIS PAGE	Bonita S Chester, Investiga Noreen Muniz, Investigator	tor <b>Lond</b>	LO. CADAO	03/01/2013
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	DEPARTMENT OF HEA	LTH AND HUMAN S	SERVICES	
DISTRICT ADDRESS AND PHON	E NUMBER	O ADMINISTRATION	DATE(S) OF INSPECTION	
60 Eighth Str			02/19/2013 - 03/01, FEI NUMBER	/2013
Atlanta, GA (404) 253-116	30309 51 Fax:(404) 253-1202		3004969894	
	ormation: www.fda.gov/oc/indu	stry		
	arnes, Pharm D., Pharmacist I	i .	ner	
FIRM NAME	arites, Filaria bil tharmacise	STREET ADDRESS		
Triangle Comp		550 New Way	verly Pl Ste_110	
	511-7412		of Sterile Drug Prod	uct
growth of fung and not during that they do not states that same reported for for d. (b) (4) vial 6.035, " Air Sa area of the clear 10/12,19,31/20 b) plates we provided as: the 11/1,2/2012, of e. Environment hood, and personatine process performed (b) f. The unidirect (including the studies) to ensign. The efficact processing root procedures are g. A dark stair	arface samples are not incubated at a gal organisms. In addition, these say periods of daily routine sterile proof accurately represent surfaces more ples are to be collected on "the left and right areas, but they do the left and right areas, but they do the air sampling has not been conducted in the left and right areas. No controls were used in 2012, nor on 11/2,16,30/2012, nor on the ere not exposed within rooms idented and an exposed within rooms idented and the exposed within rooms idented an exposed in the exposed in the asseptic problem. In addition no addition there are adequacy for use.  The exposure of the ceiling and the effective as defined on procedure and the effective as defined and the effective and the ef	mples are only cessing activition of the solution of the months of 12/14/12, or Jified by the firm of plates) are no monitor cessing room a confirmed through the used on site of been verified to the service of the se	being collected on ab) (es. The records are also .045.1 "Surface Samplin", however the locations of the loca	basis deficient in g Testing", er, results are ampled.  ures. SOP he outside le nor on addition, records le July 2012,  air flow and daily nitoring is nel gowning.  fied areas arch as smoke the aseptic leaning nance.
SEE REVERSE OF THIS PAGE	Bonita S Chester, Investiga Noreen Muniz, Investigator	tor Benefit	r S. Wester	03/01/2013

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DEPARTMENT OF H	EALTH AND HUMAN SERVICES
FOOD AND DISTRICT ADDRESS AND PHONE NUMBER	DRUG ADMINISTRATION  DATE(S) OF INSPECTION
60 Eighth Street NE	02/19/2013 - 03/01/2013
Atlanta, GA 30309	FEI NUMBER
(404) 253-1161 Fax: (404) 253-1202	3004969894
Industry Information: www.fda.gov/oc/in	ndustry
TO: Danny Barnes, Pharm D., Pharmacist	t In Charge/Owner
Triangle Compounding	550 New Waverly Pl Ste 110
CITY, STATE, ZIP CODE, COUNTRY	TYPE ESTABLISHMENT INSPECTED
Cary, NC 27511-7412	Producers of Sterile Drug Product
on 02/19/13 inside the sterile compounding ro	served being executed during routine operations held from (ISO 5) and associated with repackaging of ringe) lot 02192013%77711 into 1 ml syringes as
contamination of materials handled inside and reported during the inspection as "non-sterile".  2. Operator was observed transferring material hood with abrupt movements and abrupt placer	

strength to cause it to shake while aseptic filling 1 ml syringes of Avastin.

alter the safety, identity, strength, quality or purity of the drug product.

a. Records documenting the qualification of the (b) (4) calibration of Nov 2012 are not available to ensure adequate

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Bonita S Chester, Investigator

Noreen Muniz, Investigator

suit).

**OBSERVATION 5** 

Specifically,

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OF THIS PAGE

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4. Exposed skin was observed on the operator's forehead and face while aseptic filling operations were being conducted in the ISO 5 Room. Operator conducting the operation was observed wearing a face mask which left exposed skin on the sides. Hair was observed outside the hair piece (full body

Equipment and utensils are not maintained at appropriate intervals to prevent malfunctions and contamination that would

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and most recent

during

03/01/2013

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Records are not kept for the maintenance and inspection of equipment. Specifically,

	CALTH AND HUMAN SERVICES ORUG ADMINISTRATION
DISTRICT ADDRESS AND PHONE NUMBER	DATE(S) OF INSPECTION
60 Eighth Street NE	02/19/2013 - 03/01/2013 FEINUMBER
Atlanta, GA 30309 (404) 253-1161 Fax: (404) 253-1202	3004969894
Industry Information: www.fda.gov/oc/ing	
TO: Danny Barnes, Pharm D., Pharmacist	In Charge/Owner
Triangle Compounding	550 New Waverly Pl Ste 110
Cary, NC 27511-7412	Producers of Sterile Drug Product
b. Records documenting the qualification of the adequate (b) (4)	
	ented to ensure that the (b) (4) used in of sterilizing (b) (4) is operable for its intended purpose.
OBSERVATION 6	
There are no written procedures for production and proce identity, strength, quality, and purity they purport or are r	ess controls designed to assure that the drug products have the represented to possess.
Specifically,	•
Specifically,	
products filled on site for further use on solution	to support Beyond Use Dates (BUD) assigned to ns or sold as finished products. No stability studies I dates up to 6 months, as described on Procedure
expiration date of active ingredients or drug con Hydroxyethylcellulose (Sterile) 2% Gel Lot# 0 Beyond Use Date of 180 days after the fill date	can be assigned a Beyond Use Date that exceeds the imponents used to formulate the product. For example, 2012013%71646@2, made on 02/1/13 was assigned a or 7/31/13. However, the Hydroxyethylcellulose NF on date of 3/3/13 (the ingredient expires 4 months te).
EMPLOYEE(S) SIGNATURE	DATE ISSUED
Bonita S Chester, Investig	gator Banuta S. Whatto
SEE REVERSE Noreen Muniz, Investigator	03/01/2013

INSPECTIONAL OBSERVATIONS

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DISTRICT ADDRESS AND PHON	E NUMBER	OD AND DRUG ADMINISTR	DATE(S) OF INSPECTION 02/19/2013 -	- 03/01/2013
	30309 51 Fax: (404) 253-1202	:	FEI NUMBER	<u> </u>
(404) 253-116 Industry Info	51 Fax:(404) 253-1202 ormation: www.fda.gov/ ortownomreportissued	oc/industry	3004969894	
		i	e/Owner	- 17 J v v2
	arnes, Pharm D., Pharm			
Triangle Comp	· · · · · · · · · · · · · · · · · · ·			
Cary, NC 275	511-7412	Produce	ers of Sterile Drug	Product
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·····	EMPLOYEE(S) SIGNATURE	Rostianta Ro	1 & Christon	DATE
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FORM FDA 483 (09/08)	PREVIOUS EDITION OBSOLETE	INSPECTIONAL C	DBSERVATIONS	PAC

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 judgement, 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."