DISTRICT ADDRESS AND PHONE NUMBER	D AND DRUG ADMINISTRATION DATE(S) OF INSPECTION		
555 Winderly Place, Suite 200	2/8/2016-2/25/2016*		
Maitland, FL 32751 (407)475-4700 Fax:(407)475-4768	FEINUMBER 1000113778		
NAME AND TITLE OF INDIVIDUAL TO WHOM REPORT ISSUED			
Ivan (nmi) Cartagena , Executive Di	rector of Plant Operations		
FIRM NAME	STREET ADDRESS		
Bausch & Lomb, Inc.	8500 Hidden River Pkwy		
CITY, STATE, ZIP CODE, COUNTRY	TYPE ESTABLISHMENT INSPECTED		
Tampa, FL 33637-1014	Sterile Drug Manufacturer		
observations, and do not represent a final Agency determine observation, or have implemented, or plan to implement, or	entative(s) during the inspection of your facility. They are inspectional nation regarding your compliance. If you have an objection regarding an corrective action in response to an observation, you may discuss the objection or on or submit this information to FDA at the address above. If you have any ddress above.		

DURING AN INSPECTION OF YOUR FIRM WE OBSERVED:

QUALITY SYSTEM

OBSERVATION 1

Written records of investigations into unexplained discrepancies do not include the conclusions and follow-up.

The following investigations pertain to non-viable particles exceeding action limits in Class A (ISO 5) locations on Aseptic Filling Lines (b)(4) during a (b)(4) period from (b)(4)(b) (4) (the start of this inspection). These lines are used in the manufacturing of approved and marketed sterile drug products manufactured at your facility such as Latantoprost Ophthalmic Solution (0.005%), Opcon-A, Ketotifen Fumarate Ophthalmic Solution (0.025%), and Tobramycin Ophthalmic Solution, USP (0.3%). Additionally, Aseptic Filling Lines and are proposed for the filling of (b)(4) (b) (4)

inspection.

- A. Specifically, 20 out of 20 Nonconformance Reports (NCRs) reviewed as well as their associated Root Cause/CAPA Investigation Reports were inadequate based on the following:
 - Investigations are not complete and potential root causes are not always identified. For example, NCRs #474179, 473135 & 473465 initiated for action level excursions for non-viable particle counts were attributed to the bottle (b) (4) and a bottle component without scientific justification. Review of the associated documentation for these NCRs revealed that as part of the investigation a sample (b) (4).

Review of the laboratory report revealed that metal particles were observed in the sample

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SEE REVERSE OF THIS PAGE	EMPLOYEE(S)SIGNATURE Michael H Tollon, Inv Denise M Digiulio, FI Employee of Other Fed	DA Center Employee or	2/25/2016 X Michael H Tollon Mchael H Tollon Invest patro Signed Ry: Mchael H. Tolion -5	DATE ISSUED
FORM FDA 483 (09/08)	PREVIOUS EDITION OBSOLETE	INSPECTIONAL OBSERVATION	ONS	PAGE 1 OF 8 PAGES

		JG ADMINISTRATION		
555 Winderly		DATE(S) OF I	NSPECTION 016-2/25/2016*	
	55 Winderly Place, Suite 200 aitland, FL 32751			
(407) 475-4700) Fax:(407)475-4768	100011	13778	
NAME AND TITLE OF INDIVIDUA	L TO WHOM REPORT ISSUED			
Ivan (nmi) Ca	artagena , Executive Director	r of Plant Operat	tions	
Bausch & Lomb	, Inc.	8500 Hidden Riv	ver Pkwy	
CITY, STATE, ZIP CODE, COUN		TYPE ESTABLISHMENT INSPECTED		
Tampa, FL 330	537-1014	Sterile Drug Ma	anufacturer	
2. T i s c t t H C s s c	For example, NCR #524351 states t caused the out of specification non- marked the out of specification non- marked the out of specification non- manpling error; since during this instant caused the out of specification non- manpling error; since during this instant continuous curtain movement (b) (4)	ion. a for the root cause a le testing for aseptic the $(b)(4)$ equipm ific justification or d ipment that was used that curtain movement viable particle count ific rationale could by spection we observed	ssigned to action le filling lines. Specif nent was assigned a ocumentation provi d caused the elevate nt during the time o t, thus the NCR was be provided for why	vel excursion ically, s the root ded to verify ed non-viable of sampling s classified as this was a ne
Aseptic correctiv Two sub testing c testing (states th		d does not identify t (b) (4) and (b) (4) (b) (4) (b) (4) ectively. The investi- ufactured under (b) (mplemented (e.g., no	he root cause or off for (b) (4) fill), failed particula and accelerated gation filed with (b) 4) did not den ew filler change par	(b) (4 ate matter l stability (4) nonstrate that ts, bottle
SEE REVERSE	EMPLOYEE(S)SIGNATURE Michael H Tollon, Investiga	tor	2/25/2016	DATE ISSUED

		TH AND HUMAN SERVICE G ADMINISTRATION	S		
DISTRICT ADDRESS AND PHON		DATE(S) OF INSF	рестіон 6-2/25/2016*		
Maitland, FL	32751	FEI NUMBER 1000113			
(407) 475-4700) Fax:(407)475-4768	1000113	5778		
NAME AND TITLE OF INDIVIDUA					
Ivan (nmi) Ca FIRM NAME	artagena , Executive Director	of Plant Operati	ons	3	
Bausch & Lomb		8500 Hidden Rive	er Pkwy		
CITY, STATE, ZIP CODE, COUN Tampa, FL 336		TYPE ESTABLISHMENT INSPECTED Sterile Drug Man	ufacturer		
during bottle molding at the bottle manufacturer) were sufficient to manufacture product in compliance with (b) (4) The investigation concludes that "additional studies are required to further evaluate potential root cause factors on the particulate levels found with the (b) (4) (b) (4) (b) (4) (b) (4) (b) (4) and determine corrective actions to minimize their impact." At the time of the inspection, there was an additional investigation underway to identify potential root causes; however it was in draft form. The RC/CAPA #408329 (opened on March 3, 2014) that is associated with these submission stability failures for (b) (4) is still open after almost 2 years and an effective CAPA has not been implemented to mitigate the risk of particulate contamination on Aseptic Filling Lines is and the submission of the risk of particulate contamination on Aseptic Filling Lines is and the submission of the risk of particulate contamination on Aseptic Filling Lines is and the submission of the risk of particulate contamination on Aseptic Filling Lines is and the submission of the risk of particulate contamination on Aseptic Filling Lines is and the submission of the risk of particulate contamination on Aseptic Filling Lines is and the submission of the risk of particulate contamination on Aseptic Filling Lines is and the submission of the risk of particulate contamination on Aseptic Filling Lines is and the submission of the risk of particulate contamination on Aseptic Filling Lines is and the submission of the risk of particulate contamination on the particulate contamination of the risk of particulate contamination on the particulate contamination of the risk of particulate contamination on the particulate contamination of the particulate contamination of the particulate contamination contamination contamination contained to mitigate the risk of particulate contamination contained to mitigate the risk of particulate contamination contained to mitigate the risk of particulate contamination conta					
flakes of cellulose bottle an both the bottle (manufac The only tip. The bottl	e based polymer, and amorphous pand tip for both the $\binom{(b)}{4}$ bottle and $\binom{(b)}{4}$ bottle is mad	dentified in Lot $\#$ (b) rticulates of both (4) bottle are made of e of (b) (4) . T bottle ((b) (4) fill) and ame filling lines and u used t (b) (4) impacted by potentia	(4) were (b) ((b) (4) and skin of (b) (4) and skin The firm has (b) (4) d the (b) (4) bottle under the same qu to make the bottle (b) (4)	4) , a flakes. The ad the cap for the $\binom{b}{4}$ $\binom{b}{4}$ fill) are ality system. and	
SEE REVERSE OF THIS PAGE	EMPLOYEE(S)SIGNATURE Michael H Tollon, Investiga Denise M Digiulio, FDA Cento Employee of Other Federal Ad	er Employee or	2/25/2016 X Michael H Tollon M chael H Tolon Investigate Signed by: Michael H. Tolion -S	DATE ISSUED 2/25/2016	
FORM FDA 483 (09/08)	PREVIOUS EDITION OBSOLETE INS	PECTIONAL OBSERVATION	DNS	PAGE 3 OF 8 PAGES	

DEPARTMENT OF HEALTH AND HUMAN SERVICES				
DISTRICT ADDRESS AND PHONE NUMBER	FOOD AND DRUG ADMIN	DATE(S) OF INSPECTION		
555 Winderly Place, Suite	200	2/8/2016-2/25/20 FEI NUMBER	16*	
Maitland, FL 32751 (407)475-4700 Fax:(407)475	5-4768	1000113778		
NAME AND TITLE OF INDIVIDUAL TO WHOM REPORT ISSUED Ivan (nmi) Cartagena , Exe	autivo Director of T	lant Operations		
FIRM NAME		ADDRESS		
Bausch & Lomb, Inc.) Hidden River Pkwy		
CITY, STATE, ZIP CODE, COUNTRY Tampa, FL 33637-1014	1000000000	TABLISHMENT INSPECTED	7.	
Tampa, FL 55057-1014	Ster	The Drug Manufacturer		
 Submission stability bate (b) (4) (a) (b) (a) ml bottle (b) 54 particles/ml ≥ 9 particles/ml ≥ 3 particles/ml ≥ 3 particles/ml ≥ There was no investigatic corrective action. D. The Nonconformance Infound leaking during the is inadequate. Specifica was identified with a pot issued for each of the (not the leaking filters). No filter evere five action leaking filters). No filter evere five action leaking locations that respectively that failed leaking locations that respectively that failed leaking filters were located in an and filter 	nt method) for the post (100) ch (Lot # (b) (4) of (b) (4) (a) fill) failed particulate 1 210µm 25µm (50µm (5	(b) (4) natter testing with the follo (b) (4) (b) (4) (b) (4) (b) (4) (b) (4) (b) (4) (c) (c) (c) (c)	(b) (4) (b) (4) owing results: ause or to offer a PA filters that were replaced or repaired the only area that nvestigation was a AFL ^{(b)(4)} (relevant to b) (4) found that s of 2015, at the (relevant to b) (4) found that s of 2015, at the (and (b) (4) and (b) (4) and (b) (4) and (b) (4)	
OF THIS PAGE Denise M Dig	llon, Investigator iulio, FDA Center Emj Other Federal Agencio		2/25/2016	
FORM FDA 483 (09/08) PREVIOUS EDITION	OBSOLETE INSPECTIO	ONAL OBSERVATIONS	PAGE 4 OF 8 PAGES	

DEPARTMENT OF HEALTH AND HUMAN SERVICES FOOD AND DRUG ADMINISTRATION				
DISTRICT ADDRESS AND PHON 555 Winderly	e NUMBER Place, Suite 200	DATE(S) OF INSPECTION 2/8/2016-2		
Maitland, FL	32751	FEI NUMBER 1000113778		
(407)475-4700) Fax:(407)475-4768	1000110770		
NAME AND TITLE OF INDIVIDUA		of Diant Onemations		
FIRM NAME	artagena , Executive Director	STREET ADDRESS	5	
Bausch & Lomb		8500 Hidden River P	Рkwy	
	50.06		cturer	
CITY_STATE_2P CODE_COLUMPY TYPE ESTABLISAMENT NASPECTED Tampa, FL 33637-1014 Sterile Drug Manufacturer and the HEPA filters were not leak tested at the time of the excursions. As a result, it is unclear when the filters began to fail and when product may have been impacted by potential particulate contamination. Significantly, the non-viable particle testing action level excursions for Aseptic Fill Line were not discussed in the HEPA filter failure investigation to provide important input into the assessment of process control as it relates to non-viable particulate contamination and to the preventative maintenance program of the HEPA filters. FACILITIES AND EQUIPMENT SYSTEM OBSERVATION 2 Procedures designed to prevent microbiological contamination of drug products purporting to be sterile are not established , written and followed. A. Environmental sampling is not conducted during dynamic conditions as required by SOP 72-001, section 6.5.2 that states Specifically, for 3 out of the 4 Environmental Monitoring samples I observed equipment was not operational while all non-viable particle samples were collected:				
Sulfates and Dexamethasone Ophthalmic Suspension, USP) and 5 out of the 5 Class A (ISO 100) non-viable particle air sampling locations were collected while no equipment was in operation.				
 On 2/10/16, Aseptic Fill Line was filling Lot # (b) (4) (Neomycin, Polymyxin B Sulfates and Dexamethasone Ophthalmic Suspension, USP) and 2 out of the 5 Class A (ISO 100) non-viable particle air sampling locations were collected while no equipment was in operation. 				
-	EMPLOYEE(S) SIGNATURE		DATE ISSUED	
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FORM FDA 483 (09/08)	PREVIOUS EDITION OBSOLETE INS.	PECTIONAL OBSERVATIONS	PAGE 5 OF 8 PAGES	

DEDAT		NEDVICES		
DEPAR DISTRICT ADDRESS AND PHONE NUMBER	TMENT OF HEALTH AND HUM. FOOD AND DRUG ADMINISTRAT			
555 Winderly Place, Suite 200				
Maitland, FL 32751 (407)475-4700 Fax:(407)475-470	58	FEI NUMBER 1000113778		
NAME AND TITLE OF INDIVIDUAL TO WHOM REPORT ISSUED				
Ivan (nmi) Cartagena , Execut:		Operations		
FRM NAME Bausch & Lomb, Inc.	STREET ADDRESS 8500 Hid	den River Pkwy	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
CITY, STATE, ZIP CODE, COUNTRY	TYPE ESTABLISHMI	INT INSPECTED		
Tampa, FL 33637-1014	Sterile	Drug Manufacturer		
• On 2/12/16, Asept	ic Fill Line 🔐 was filling	Lot $\#$ (b) (4) (Opcon-A) as	nd 5 out of the	
		sampling locations were co		
no equipment was	in operation.			
B. The written environmenta			and the first of the second seco	
		tion could be provided to v	-	
		s installed on your Aseptic tions to monitor environme		
		ese holders is not mentione		
		vironmental sampling proc	and the second sec	
	C			
		non-viable sampling point		
		as documented in your firm (Doc. # 009A-D-12 & D		
		provided for why this same		
changed from its original location.				
C. Smoke studies were inade	-			
		der dynamic conditions in studies for Aseptic Fill Lir		
1 C	2017년 1월 - 1월 2018년 1월 - 1월 2019년 1월 20	have occurred to show that	and the second sec	
		flow during manufacturing		
(e.g., Class A curtain layo	ut changes performed in	(b)(4).		
D. There is no assurance that	your firm's current meth	od used to monitor non-via	hle particulates	
		cturing for the U.S. market		
for manufacturing of (b) (a		0		
(b) (4), the firm currently uses the (b) (4) samplers (b) (4) shift and takes a (b) (4)				
sample at each sampling location. Aseptic Fill Lines and both have the				
EMPLOYEE(S) SIGNATURE			DATE ISSUED	
SEE REVERSE Michael H Tollon		2/25/2016	2/25/2016	
	o, FDA Center Employe r Federal Agencies	M chael H Tol on		
		Investigator Signed by: Michael H. Tolion -S		
FORM FDA 483 (09/08) PREVIOUS EDITION OBSOLET	INSPECTIONAL O	DBSERVATIONS	PAGE 6 OF 8 PAGES	

DEPARTMENT OF HEALTH AND HUMAN SERVICES FOOD AND DRUG ADMINISTRATION				
DISTRICT ADDRESS AND PHON 555 Winderly	e NUMBER Place, Suite 200	DATE(S) OF 1	NSPECTION 016-2/25/2016*	
Maitland, FL (407)475-4700	32751) Fax:(407)475-4768	FEINUMBER		
NAME AND TITLE OF INDIVIDUA	 An and a second s			
Ivan (nmi) Ca	artagena , Executive Director		tions	
FIRM NAME Bausch & Lomb	, Inc.	street address 8500 Hidden Riv	ver Pkwy	
CITY, STATE, ZIP CODE, COUNT Tampa, FL 336		TYPE ESTABLISHMENT INSPECTED Sterile Drug Ma		7.2
capability for continuous monitoring of non-viable particles via Continuous Particle Monitoring system $(b)(4)$ during filling. Currently, your firm only uses the continuous particle monitoring system for routine manufacturing for products manufactured for $(b)(4)$ markets. The firm has no justification or data to support that the $(b)(4)$ samplers and the sample frequency is superior to continuous non-viable particulate monitoring to detect and record changes that might compromise the facility's environment and to alert personnel of such changes.				
alter the safety, Specifically, you utensils that are (b) (4)	DN 3 utensils are not maintained at appro- identity, strength, quality or purity ur firm has not validated appropriat used in aseptic fill lines are free of and valves that come in dir lucts on aseptic filling lines at your	of the drug product te hold times that en microbiological con ect product contact	sure equipment compo ntamination. This inclu	onents and ides <mark>(b) (4)</mark>
PRODUCTION S	SYSTEM			
OBSERVATION 4 Control procedures are not established which monitor the output of those manufacturing processes that may be responsible for causing variability in the characteristics of in-process material and the drug product.				
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		HEALTH AND HUMA			
Maitland, FL	Place, Suite 200	-	DATE(S) OF INSPECTION 2/8/2016-2/25/2016* FEI NUMBER 1000113778		
NAME AND TITLE OF INDIVIDUA	LTO WHOM REPORT ISSUED	ector of Plant	Operations		
FIRM NAME		STREET ADDRESS			
	IRY	TYPE ESTABLISHMEN			
Tampa, FL 330	537-1014	Sterile D	rug Manufacturer		
ov. SNAR 29:000. COMMY THE ESTACLEMENT NUMERIES Tampa, FL 33637-1014 Sterile Drug Manufacturer Specifically, there is no assurance that the in-process controls established after the compounding of [b] (4) is adequate to monitor, address variability and to assure that during routine production the process remains in a state of control. The firm proposes bulk in-process tests for [b] (4); however during development, the process parameter risk assessment identified, in part, [b] (4) steps, while (b) (4) were classified as low risk. The current in-process controls do not adequately monitor the output of the manufacturing process and address potential variability. *DATES OF INSPECTION 2/08/2016(Mon),2/09/2016(Tue),2/10/2016(Wed),2/11/2016(Thu),2/12/2016(Fri),2/16/2016(Tue),2/18/2016(Thu),2/25/2016(Thu))					
SEE REVERSE OF THIS PAGE	EMPLOYEE(S) SIGNATURE Michael H Tollon, Inves Denise M Digiulio, FDA Employee of Other Feder.	Center Employee	2725 C O L Michael H Tollon Metael H Tolon Metagatr Signed by: Michael H. Tolon -S	DATE ISSUED 2/25/2016	
FORM FDA 483 (09/08)	PREVIOUS EDITION OBSOLETE	INSPECTIONAL OF	BSERVATIONS	PAGE 8 OF 8 PAGES	