	TH AND HUMAN SERVICES		
FOOD AND DRUG DISTRICT ADDRESS AND PHONE NUMBER	G ADMINISTRATION Date(s) of inspection		
19701 Fairchild	12/2/2019-12/20/2019*		
Irvine, CA 92612-2445	FEI NUMBER		
(949) 608-2900 Fax: (949) 608-4417	3013341563		
NAME AND TITLE OF INDIVIDUAL TO WHOM REPORT ISSUED	I		
Navid Vahedi, President			
FIRM NAME	STREET ADDRESS		
Fusion IV Pharmaceuticals, Inc. dba Axia Pharmaceutical	1990 Westwood Blvd Ste 135		
CITY, STATE, ZIP CODE, COUNTRY	TYPE ESTABLISHMENT INSPECTED		
Los Angeles, CA 90025-4650	Producer of Sterile Drug Products		
action with the FDA representative(s) during the inspection or subm questions, please contact FDA at the phone number and address above			
OBSERVATION 1 Buildings used in the manufacture, processing, pacing a clean and sanitary condition.	king or holding of drug products are not maintained		
Specifically,			
A.			
The state of the s	w bench (b) (4) with yellow staining on the the HEPA grid. Aseptic filling of drug products occurs tation of the last batches of drug product produced in		
flow wokstations; (b) (4) fraying and half of the yellow tape line was off. The	on the aseptic worksurface inside of ISO-5 laminar. The tape was ne line was being used as a line of demarcation for the ne Acetate lot 12022019+53297 was being filled and		

C. On 12/2/2019, I observed a black plastic tube inside the ISO-5 Laminar flow (b) (4)

EMPLOYEE(S) SIGNATURE

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FORM FDA 483 (09/08)

Erika V Butler, Investigator

PREVIOUS EDITION OBSOLETE

acting as a particle counter. The black plastic tubing had double sided tape around the top which was

INSPECTIONAL OBSERVATIONS

station

DATE ISSUED

12/20/2019

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	DEPARTMENT OF HEAL FOOD AND DRUG	TH AND HUMAN SERVIC ADMINISTRATION	ES	
DISTRICT ADDRESS AND PHO		DATE(S) OF IN:	SPECTION 019-12/20/2019*	
Irvine, CA 92		FEI NUMBER	Wilder Property	·
	00 Fax: (949) 608-4417		1563	
NAME AND TITLE OF INDIVIDUA	AL TO WHOM REPORT ISSUED			
Navid Vahedi,	, President			
FIRM NAME		STREET ADDRESS		
Fusion IV Pha Pharmaceutica	armaceuticals, Inc. dba Axia	1990 Westwood B	lvd Ste 135	
CITY, STATE, ZIP CODE, COUN		TYPE ESTABLISHMENT INSPECTED		
Los Angeles,	CA 90025-4650	Producer of Ste	rile Drug Produ	icts
	/3/19, Methylprednisolone Acetate s LFW.	lot 12022019+532	297 was being fi	lled and (b)(4)
OBSERVATION Procedures designare not followed	gned to prevent microbiological cor	ntamination of drug	products purportin	g to be sterile
Specifically,				
A.				
Observed on 12/3/2019, during the aseptic processing of Methylpredinsolone Acetate batch 12022019+53297, technician dispensed (b) (4) from the (b) (4) bag onto the table top of the laminar flow workstation and use (b) (4) each vial (Theoretical yield vials). Your firm is not following your standard operating procedure document number 4.71 titled, "Aseptic Processing Requirements and Technique" which reads in section 7.1.10, "Compounding personnel shall not use a gloved hand to touch any product contact surfaces, but should use appropriately sterilized utensils (e.g., forceps), as needed."				
Observed on 12/11/2019 in the ISO 5 aseptic filling room, aseptic filling operator performed interventions during the filling of Glutathione batch 12102019+53365 without routinely sanitizing hands. I observed the operator open the cabinet door of the filling machine (ISO 5) and perform interventions at least stopping and starting the machine, dispensing components in the hopper, manipulate capped vials inside the filling machine for approximately a period. Your firm is not following your standard operating procedure document number 4.71 tiled, "Aseptic				
SEE REVERSE OF THIS PAGE	EMPLOYEE(S) SIGNATURE Erika V Butler, Investigator	Ç _i	Eritia V Butiler investigator Signed By Erita V. Butiler -S Date Signed 12-20-2019 11 54 40	DATE ISSUED 12/20/2019
FORM FDA 483 (09/08)	PREVIOUS EDITION OBSOLETE INS	PECTIONAL OBSERVATI	IONS	PAGE 2 of 17 PAGES

		TH AND HUMAN SERVICES G ADMINISTRATION		
DISTRICT ADDRESS AND PHO		DATE(S) OF INSPE		
19701 Fairch: Irvine, CA 92		1Z/Z/ZU.	19-12/20/2019*	
	Fax: (949) 608-4417	3013341	563	
Navid Vahedi				
FIRM NAME	, riesident	STREET ADDRESS		
Fusion IV Pha	armaceuticals, Inc. dba Axia	1990 Westwood Bly	vd Ste 135	
Pharmaceutica		TYPE ESTABLISHMENT INSPECTED		
AND THE PROPERTY OF THE PROPER	CA 90025-4650		ile Drug Products	
Processing Req	uirements and Technique" which re	eads in section 7.1.11,	"Compounding personnel shall	
change sterile	loves on a frequent basis or disinfe	ect them routinely with	h ^{(b) (4)} during	
	oounding manipulations."			
processes comp				
C				
C.				
You did not per	rform investigations into the root ca	ause of media fill ster	ility failures for media fill runs	
The state of the s	SO 5 Laminar Flow Workstations			
100 Sept. 100 Se	solutions. You failed to investiga			
	ng and distributing sterile products.			
prior to product	ing and distributing sterile products.	See four examples to	tind below.	
1.				
Run (b) (4)	(b) ml syringe); Summary report (b) (4)	RPT notes the	e following fill runs passed:	
Run Number	Result	.,,		
(b) (4)	C BLANCE HOME BASSES C			
\$1050\$0.50	Pass			
-				
	Pass			
	- Daniel - D			
	Pass			
l				
*	FAIRLOVER'S SIGNATURE		T	
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OF THIS PAGE	Bilka V Bacici, invescigaco.		Erika V Buffer	
			investigator Signed by Enlka V. Butter -S Dalle Signed 12-20-2019 11 54 40	
	L			
FORM FDA 483 (09/08)	PREVIOUS EDITION OBSOLETE INS	SPECTIONAL OBSERVATIO	NS PAGE 3 of 17 PAGES	

DEPARTMENT OF HEALTH AND HUMAN SERVICES FOOD AND DRUG ADMINISTRATION				
DISTRICT ADDRESS AND PHO	NE NUMBER	DATE(S) OF IN:		:
Irvine, CA 92		FEI NUMBER	019-12/20/2019*	
	0 Fax: (949) 608-4417	301334	1563	
NAME AND TITLE OF INDIVIDUA	AL TO WHOM REPORT ISSUED			
Navid Vahedi	, President			
FIRM NAME		STREET ADDRESS		
	armaceuticals, Inc. dba Axia	1990 Westwood B	lvd Ste 135	
Pharmaceutica CITY, STATE, ZIP CODE, COUN		TYPE ESTABLISHMENT INSPECTED		
Los Angeles,	CA 90025-4650	Producer of Ste	rile Drug Produ	icts
However, the "Summary of Validation Discrepancies" reads "there was a failure noted". Media fill number is noted as failed. Your firm failed to investigate the failure per your SOP 4.80, titled, "Validation Protocol for Aseptic Process Simulations". It reads in section 9.1.1.1., "Any positive units, deviations, or discrepancies must be investigated and shown to have no impact on the validation. In addition, your firm could not provide the batch production record for this failed trial run [b] (4) 2. Run Type (b) (4) (b) (4) ml vial); Summary report (b) (4) RPT notes the following media fill runs				
passed:				
Run Number	Result			
does not list th	Pass Pass Pass Pass r of Validation Discrepancies" read the failure. However, it was found a function record for media fill run (b) (4) The solution was replaced with	nedia fill run (b) (4)	(^{(b) (4)}) contain he media solution	ned the failure.
SEE REVERSE OF THIS PAGE	EMPLOYEE(S)SIGNATURE Erika V Butler, Investigato:	r	Erika V Budler Investigator Signed by Erika V. Budler -S Date Signed 12-20-2019 11 54 40	DATE ISSUED 12/20/2019
FORM FDA 483 (09/08)	PREVIOUS EDITION OBSOLETE INS	SPECTIONAL OBSERVAT	IONS	PAGE 4 of 17 PAGES

		TH AND HUMAN SERVICES GADMINISTRATION		
19701 Fairch		DATE(S) OF INSPEC 12/2/201	CTION L9-12/20/2019*	
Irvine, CA 92		FEI NUMBER 30133415	CHEATEN	
	Fax: (949) 608-4417		70070	
Navid Vahedi,				
FIRM NAME	riobiache	STREET ADDRESS		
Fusion IV Pha				
	CA 90025-4650	Producer of Steri	lle Drug Produ	cts
Process Simulate be investigated 3. Run Type (b) (4)	d to investigate the failure per your ions". It reads in section 9.1.1.1., and shown to have no impact on the (b) (a) validation) (b) (4) file (b) (4)	"Any positive units, de validation.	eviations, or discrete	repancies must
vial); Summary	report RPT notes the fo	ollowing fill runs passe	ed:	
Run Number	Result			
(b) (4)	Pass			
÷V	Pass			
o .				
	Pass			
v.				
does not list the Protocol for Aso	of Validation Discrepancies" read failure. Your firm failed to investi eptic Process Simulations". It reads ust be investigated and shown to ha	gate the failure per you in section 9.1.1.1., "A	ur SOP 4.80, title ny positive units	ed, "Validation
4.				
Run Type ^{(b) (4)} passed:	ml vial); Summary report (b)	RPT notes	s the following 1	nedia fill runs
SEE REVERSE OF THIS PAGE	Employee(s) SIGNATURE Erika V Butler, Investigato		Erita V Butler investigation Signed by Erita V. Butler -S Date Signed 12-20-2019 11 54 40	12/20/2019
FORM FDA 483 (09/08)	PREVIOUS EDITION OBSOLETE IN	SPECTIONAL OBSERVATION	NS	PAGE 5 of 17 PAGES

DEPARTMENT OF HEALTH AND HUMAN SERVICES				
DISTRICT ADDRESS AND PHONE NUMBER	G ADMINISTRATION DATE(S) OF INSPECTION			
19701 Fairchild	12/2/2019-12/20/2019*			
Irvine, CA 92612-2445 (949)608-2900 Fax:(949)608-4417	FEI NUMBER 3013341563			
NAME AND TITLE OF INDIVIDUAL TO WHOM REPORT ISSUED				
Navid Vahedi, President				
FIRM NAME	STREET ADDRESS			
Fusion IV Pharmaceuticals, Inc. dba Axia Pharmaceutical	1990 Westwood Blvd Ste 135			
CITY, STATE, ZIP CODE, COUNTRY	TYPE ESTABLISHMENT INSPECTED			
Los Angeles, CA 90025-4650	Producer of Sterile Drug Products			

Run Number	Result
(b) (4)	Pass
_	Pass
-	Pass

Your firm failed to investigate the failure per your SOP 4.80, titled, "Validation Protocol for Aseptic Process Simulations". It reads in section 9.1.1.1., "Any positive units, deviations, or discrepancies must be investigated and shown to have no impact on the validation.

Failure to perform investigations into the root cause of media fill sterility failures for media fill runs is a repeat objectionable observation listed on the FDA 483 inspection dated March 2017.

	SEE REVERSE OF THIS PAGE Erika V Butler, Investigator Enlav Butler investigator Signed 95 pensa v. Butler investigator A Date Signed 12-20-2019	DATE ISSUED 12/20/2019
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FORM FDA 483 (09/08) PREVIOUS EDITION OBSOLETE INSPECTIONAL OBSERVATIONS PAGE 6 of 17 PAGES

TH AND HUMAN SERVICES
DATE(S) OF INSPECTION 12/2/2019-12/20/2019* FEI NUMBER 3013341563
1990 Westwood Blvd Ste 135
TYPE ESTABLISHMENT INSPECTED Producer of Sterile Drug Products
n are not being incubated. For example; the Aseptic r Report ID# (b) (4) details Run (b) (4) (1) (1) (1) (2) (3) (4) (4) (4) (4) (5) (4) (4) (5) (4) (4) (5) (4) (6) (6) (6) (6) (6) (6) (6) (6) (6) (6
Disinfection in Sterile Compounding Areas, version ving documentation of the cleaning of the contracted leanroom suites and laminar flow workstations. In least the suite of the cleaning contractor for the contract the contract of the cont
ined discrepancy and the failure of a batch or any of ether or not the batch has been already distributed.

INSPECTIONAL OBSERVATIONS

EMPLOYEE(S) SIGNATURE

Erika V Butler, Investigator

PREVIOUS EDITION OBSOLETE

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OF THIS PAGE

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DATE ISSUED

12/20/2019

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DEPARTMENT OF HEALTH AND HUMAN SERVICES FOOD AND DRUG ADMINISTRATION			
DISTRICT ADDRESS AND PHONE NUMBER	DATE(S) OF INSPECTION		
19701 Fairchild	12/2/2019-12/20/2019*		
Irvine, CA 92612-2445	FEI NUMBER		
(949)608-2900 Fax: (949)608-4417	3013341563		
NAME AND TITLE OF INDIVIDUAL TO WHOM REPORT ISSUED			
Navid Vahedi, President	v. m		
FIRM NAME	STREET ADDRESS		
Fusion IV Pharmaceuticals, Inc. dba Axia Pharmaceutical	1990 Westwood Blvd Ste 135		
CITY, STATE, ZIP CODE, COUNTRY	TYPE ESTABLISHMENT INSPECTED		
Los Angeles, CA 90025-4650	Producer of Sterile Drug Products		

invalidated the initial sterility failure without adequate justification to support the probable root cause of analytical lab error and noted no recall was necessary due to no patients had reported adverse events. Furthermore, the investigation did not identify the organisms which caused the contamination to the genus or species level or perform a gram stain per the OOS.

The following are the drug product batches:

Alprostadil 40mcg/Papaverine 30mg/Phentolamine 2 mg; batch lot 02052018+48999

Alprostadil 60mcg/Papaverine 30mg/Phentolamine 2 mg/Atropine 0.15 mg; batch lot 02192018+49094 Alprostadil 60mcg/Papaverine 30mg/Phentolamine 2 mg/Atropine 0.15 mg; batch lot 01152018+48848 Alprostadil 40mcg/Papaverine 25mg/Phentolamine 0.5 mg/Atropine 0.1 mg; batch lot 02212018+49131 Alprostadil 10mcg/Papaverine 30mg/Phentolamine 1 mg; batch lot 02262018+49157

The batches were quarantined in the (b) (4) however, they were inadvertently distributed and sent to customers due to the label being half applied and fell off. The report stated the customers were contacted and notified the samples were under additional testing (Contract lab testing) however, there is no documentation of customers who were contacted and with whom your personnel spoke with. It was also stated in the investigation report "there is no cause for concern or recall necessary as independent testing revealed them to have been clear of contamination. Furthermore, by the time the mistake release had been discovered, no patient had reported any adverse events" The following lots were released and distributed to patients:

Alprostadil 60mcg/Papaverine 30mg/Phentolamine 2 mg/Atropine 0.15 mg; batch lot 02192018+49094 Alprostadil 40mcg/Papaverine 25mg/Phentolamine 0.5 mg/Atropine 0.1 mg; batch lot 02212018+49131

The following lots were rejected:

Alprostadil 40mcg/Papaverine 30mg/Phentolamine 2 mg; batch lot 02052018+48999

Alprostadil 60mcg/Papaverine 30mg/Phentolamine 2 mg/Atropine 0.15 mg; batch lot 01152018+48848 Alprostadil 40mcg/Papaverine 25mg/Phentolamine 0.5 mg/Atropine 0.1 mg; batch lot 02212018+49131

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		4500 00 VA 10 12 MARIO (10 00 00 00 00 00 00 00 00 00 00 00 00 0

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DEPARTMENT OF HEALTH AND HUMAN SERVICES FOOD AND DRUG ADMINISTRATION				
DISTRICT ADDRESS AND PHONE NUMBER 19701 Fairchild		DATE(S) O	FINSPECTION /2019-12/20/2019*	
Irvine, CA 92612-2445		FEI NUMBE	R	
(949)608-2900 Fax: (94	9) 608-4417	3013.	341563	
NAME AND TITLE OF INDIVIDUAL TO WHOM REPORT	T ISSUED	<u> </u>		
Navid Vahedi, Preside	nt	111		
Fusion IV Pharmaceuti	cale Inc dba Avia	street address 1990 Westwood	Dl+rd C+o 135	
Pharmaceutical	CdIs, Inc. upa nata			
CITY, STATE, ZIP CODE, COUNTRY Los Angeles, CA 90025	4650	Producer of St	terile Drug Produ	ata
LOS ANGETES, CA 90023	-4650	Producer or 5	terite brug frodu	.CLS
				,·
OBSERVATION 4		Traction and the second		
Employees are not given to		•	-	F2.
current good manufacturin practice regulations.	g practices and written pr	rocedures required	by current good ma	nuracturing
practice regulations.				
Specifically,				
A.				
Quality Control technician	n (initials (b) (6)) performi	ing the sterility te	sting and the endote	oxin testing for
finished drug products has	no documented training	for conducting the	e QC sterility and end	dotoxin tests or
general current good man	The state of the s			
Since the QCs technician hire date of the following analysis have been completed by this				
technician:	(b) (4)			***
finished drug product lot	s ran using the	sterility test n	nethod	
finished drug product lo	ots using the	sterility		
samples ran for endotos	kin testing of the finished	drug products		
В.				
WEST 1005	performing the labeling of	f Triamcinolone a	ootate Int 12032019-	-53303 and the
Process Engineer performing the labeling of Triamcinolone acetate lot 12032019+53303 and the visual inspection on the visual inspection machine has no documented training				
of reading procedures, 5.40 "Policy on Label Control" and 2.87 "Visual Inspection of Finished				
Pharmaceuticals".	.40 Tolley on Lacer	control und 2.0	7 Vistai Hisperia	II of Filliones
C. Quality Systems Manager (initials training file contained no documentation for reading of the				
firm's SOP's: 5.40 "Policy on Label Control" and 2.87 "Visual Inspection of Finished Pharmaceuticals".				
The state of the s				
OBSERVATION 5				
				···
EMPLOYEE(S) SIGN				DATE ISSUED
	Butler, Investigator		H25.(19512202)	12/20/2019
OF THIS PAGE			Erika V Butler Investigator Signed By Erika V. Butler -S Date Signed 12-20-2019 11 54 40	
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FORM FD 4 483 (00/08)	INS	PECTIONAL OBSERVA	TIONS	PAGE 9 of 17 PAGES

	TH AND HUMAN SERVICES GADMINISTRATION
DISTRICT ADDRESS AND PHONE NUMBER 19701 Fairchild Irvine, CA 92612-2445 (949)608-2900 Fax: (949)608-4417	DATE(S) OF INSPECTION 12/2/2019-12/20/2019* FEI NUMBER 3013341563
NAME AND TITLE OF INDIVIDUAL TO WHOM REPORT ISSUED	
Navid Vahedi, President	we me
FIRM NAME	STREET ADDRESS
Fusion IV Pharmaceuticals, Inc. dba Axia Pharmaceutical	1990 Westwood Blvd Ste 135
CITY, STATE, ZIP CODE, COUNTRY	TYPE ESTABLISHMENT INSPECTED
Los Angeles, CA 90025-4650	Producer of Sterile Drug Products

Laboratory controls do not include the establishment of scientifically sound and appropriate test procedures designed to assure that conform to appropriate standards of identity, strength, quality and purity.

Specifically,

A. Growth Promotion testing of the used in the Aseptic Process Simulations are challenged with only two organisms; Bacillus subtilis and Candida Albicans. The testing of only two organisms does not demonstrate the media can support growth of a wide range of microorganisms. Your firm is not following the Policy on Aseptic Process Simulations as stated in SOP 4.72 section 8.4.8 which states the selection of 5 microorganisms.

B. Your firm has not performed an antimicrobial effectiveness study to verify that the preservative system is effective and protects the product over its shelf life under expected conditions of use. For example, the following drug stock solutions have a shelf life of six months and contain a preservative. You have not verified through antimicrobial effectiveness studies the content of the preservative. In addition, stability studies have not been provided to show the drug product is stable in its container.

Papaverine HCL; lot 10142019+53116, discard after April 11, 2020

Phentolamine Mesylate; lot 10142019+53114, discard after April 11, 2020

This is a repeat objectionable observation from the March 2017 FDA inspection.

C.

SEE REVERSE OF THIS PAGE	Erika V Butler, Inve	estigator X	Erita V Budler Investigator Signed By Erita V. Budler -S Date Signed 12-20-2019 11 54 40	DATE ISSUED 12/20/2019
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DEPARTMENT OF HEALTH AND HUMAN SERVICES FOOD AND DRUG ADMINISTRATION		
DISTRICT ADDRESS AND PHONE NUMBER	DATE(S) OF INSPECTION	
19701 Fairchild	12/2/2019-12/20/2019*	
Irvine, CA 92612-2445	FEI NUMBER	
(949)608-2900 Fax: (949)608-4417	3013341563	
NAME AND TITLE OF INDIVIDUAL TO WHOM REPORT ISSUED	•	
Navid Vahedi, President		
FIRM NAME	STREET ADDRESS	
Fusion IV Pharmaceuticals, Inc. dba Axia	1990 Westwood Blvd Ste 135	
Pharmaceutical		
CITY, STATE, ZIP CODE, COUNTRY	TYPE ESTABLISHMENT INSPECTED	
Los Angeles, CA 90025-4650	Producer of Sterile Drug Products	
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Your firm's manual visual inspection is inadequate and does not ensure your drug product is contamination free prior to distribution.

1. I observed on 12/5/2019 in the cleanroom suite (ISO 7), aseptic fill technician performing visual inspections at a metal table on finished drugs in vials without assistance from light magnification or contrasting white background. I observed the fill technician hold the vial on then label the vials. The fill technician conducted visual inspection and labeling on the following drug lots:

Alprostadil 150 mcg/ml lot 12042019+53331

Papaverine HCL/Phentolamine mesylate 60mg/40mg/ml lot 12042019+53329

Alprostadil/Papaverine HCL/Phentolamine mesylate/Atropine 18mcg/1.8mg/0.2mg/0.2mg/ml lot 12042019+53327

Alprostadil/Papaverine HCL/Phentolamine mesylate/Atropine 40mcg/25mg/0.5mg/0.1mg/ml lot 12042019+53325

Alprostadil/Papaverine HCL/Phentolamine mesylate/Atropine 60mcg/30mg/2mg/0.15mg/ml lot 12042019+53323.

2. On 12/5/2019 in the visual inspection room, I observed an employee maneuver Triamcinolone Acetonide (Preservative Free) 2 ml vials lot 12032019+53303 onto the table for labeling and inadvertently drop a vial on the concrete floor. He picked up the vial held it up for approximately one second to the light asked the process engineer if it was ok. The process engineer nodded and the

SEE REVERSE OF THIS PAGE	EMPLOYEE(S) SIGNATURE Erika V Butler, Inves	tigator	Erika V Butler Investigator Signed Spred 12-20-2019 11 54-40	DATE ISSUED 12/20/2019
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DEPARTMENT OF HEALTH AND HUMAN SERVICES FOOD AND DRUG ADMINISTRATION		
DISTRICT ADDRESS AND PHONE NUMBER	DATE(S) OF INSPECTION	
19701 Fairchild	12/2/2019-12/20/2019*	
Irvine, CA 92612-2445	FEI NUMBER	
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NAME AND TITLE OF INDIVIDUAL TO WHOM REPORT ISSUED	·	
Navid Vahedi, President	v. m	
FIRM NAME	STREET ADDRESS	
Fusion IV Pharmaceuticals, Inc. dba Axia	1990 Westwood Blvd Ste 135	
Pharmaceutical		
CITY, STATE, ZIP CODE, COUNTRY	TYPE ESTABLISHMENT INSPECTED	
Los Angeles, CA 90025-4650	Producer of Sterile Drug Products	

employee placed it back on the table for labeling. There was no additional examination of the integrity of the glass vial. This visual inspection practice does not adhere to your firm's SOP 2.87, titled, 'Visual Inspection of Finished Drug Products' section 8.5.2 that "if the inspector is uncertain about a potential defect, the unit should be segregated and evaluated more thoroughly by another qualified inspector and/or a Quality Unit representative..."

3. Prior to the visual inspection of Triamcinolone Acetonide (Preservative Free) 2 ml vials lot 12032019+53303, your firm failed to measure the intensity of the light source using a calibrated on the visual inspection machine. SOP 2.87, titled, 'Visual Inspection of Finished Drug Products' section 8.4 requires the measurement to be recorded in the batch production record; however, there is no allotted space in the batch record to record this measurement.

OBSERVATION 6

The quality control unit lacks authority to fully investigate errors that have occurred.

Specifically,

A.

Your firm failed to perform investigations into "Positive" sterility results as outlined in SOP 5.30, titled, Testing of Sterile Preparations section 8.3.1.1. and SOP 5.54, "Investigating an Out of Specification" section 7.1.

1. Triamcinolone Acetonide 40mg/ml (Preservative Free) lot number 08272019+52841 culture result was "Positive" for media bottle (b) (4) utilizing the (b) (4) sterility test method. There was no

SEE REVERSE OF THIS PAGE	EMPLOYEE(S) SIGNATURE Erika V Butler, Investigator Fitta V Butler Fitta V Butler Fitte V Butler Fitte V Butler Fitte V Butler Signed by Erika V Butler - S Date Signed 12-20-2019 11 54 40	DATE ISSUED 12/20/2019
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		TH AND HUMAN SERVICE ADMINISTRATION	ES	
19701 Fairch		DATE(S) OF INS 12/2/2(PECTION 019-12/20/2019*	i
Irvine, CA 92			1563	
NAME AND TITLE OF INDIVIDUA	AL TO WHOM REPORT ISSUED	ą.		
Navid Vahedi,	, President			
Pharmaceutica		street address 1990 Westwood B	lvd Ste 135	
Los Angeles.		Producer of Ste	rile Drua Produ	icts
subculture or gram staining performed. There was no out of specification investigation or deviation performed. The lot was distributed to bffice orders. 2. Levocarnitine 500mg/ml lot number 08212019 +52824 culture result was "Positive" for subculture was performed on sample & corresponding bottles; Result was negative. However, three culture bottles were shown positive and it is not stated by the handwritten note if all three bottles were subcultured. Furthermore, there is no documentation of the subculturing. There is no "Review By" Signature and date by the Quality Unit on the Sterility Test Report. There was no out of specification investigation or deviation performed. The lot was distributed to sterility office orders. 3. Levocarnitine 500mg/ml lot number 01292019+51387 culture result was Positive for sterility report for bottle notes a subculture was performed on the inoculated media bottle and results were negative. However, there was no subculture of media bottle bottles notes a subculture of media bottle was performed. There is no documentation of the subculturing. There is no "Review By" Signature and date by the Quality Unit on the Sterility Test Report. There was no out of specification investigation or deviation performed. The lot was distributed to office orders. 4. Methylprednisolone Acetate (Preservative Free) lot number 02272019+51657 culture result was performed and the property of the subculture result was performed.				
Positive for media bottle report. There was no out of specification investigation performed or deviation report generated. There is no "Review By" Signature and date by the Quality Unit on the Sterility Test Report. There was no subculture performed. The lot was distributed to office orders. The lot was distributed to office orders.				
5. Zinc Chloride 02192019+51574 culture result was Positive. There was no out of specification investigation performed or deviation report generated. There is no "Review By" Signature and date by the Quality Unit on the Sterility Test Report. There was no subculture performed. The lot was distributed to(1) office orders.				
SEE REVERSE OF THIS PAGE	EMPLOYEE(S) SIGNATURE Erika V Butler, Investigator	2.	Erika V Butlier Investigator Signed By Erika V. Butler -S Date Signed 12-20-2019 11 54 40	DATE ISSUED 12/20/2019
FORM FDA 483 (09/08)	PREVIOUS EDITION OBSOLETE INS	PECTIONAL OBSERVATION	ONS	PAGE 13 of 17 PAGES

	TH AND HUMAN SERVICES GADMINISTRATION
DISTRICT ADDRESS AND PHONE NUMBER	DATE(S) OF INSPECTION
19701 Fairchild	12/2/2019-12/20/2019*
Irvine, CA 92612-2445 (949)608-2900 Fax:(949)608-4417	FEI NUMBER 3013341563
NAME AND TITLE OF INDIVIDUAL TO WHOM REPORT ISSUED	
Navid Vahedi, President	
FIRM NAME	STREET ADDRESS
Fusion IV Pharmaceuticals, Inc. dba Axia Pharmaceutical	1990 Westwood Blvd Ste 135
CITY, STATE, ZIP CODE, COUNTRY	TYPE ESTABLISHMENT INSPECTED
Los Angeles, CA 90025-4650	Producer of Sterile Drug Products

B.

Your firm failed to perform complaint investigations as outlined in SOP 5.51, Handling of Customer Complaints and Adverse Drug Reactions.

- 1. Complaint number CR 2018-004 dated November 27, 2018 on the complaint log reads a patient had went into the hospital for sepsis after injection of Testosterone cypionate lot number 09182018+50532. The log details a review of the batch record, release testing and if there were other complaints on this lot. The complaint log does not provide information on who the complainant is, if samples were returned or if additional testing was performed on this lot. The complaint investigation is incomplete. Furthermore, your firm failed to submit an adverse event reporting to the FDA as required by section 8.1 in SOP 5.51, Handling of Customer Complaints and Adverse Drug Reactions.
- 2. Complaint number CR-2018-003 dated May 11, 2018 on the complaint log reads a customer reported sediment in one vial of Methylcobalamin 10mg/ml 03012019+49188. Complaint outcome reads, "Customer was resupplied; sedimenting attributed to poor grade API reagent. There was no complaint investigation performed and no investigation with the API supplier.
- 3. Complaint number CR-2017-006 dated October 22, 2018 complainant from doctor reported black specs in "beta/beta", no lot number reported on complaint log. Complaint outcome on log reads, "Administrator was coring the vial septa. Not traceable to AXIA" There is no additional complaint information or complaint investigation report regarding the review of batch records, testing records or the manufacturing process.
- 4. Complaint number CR 2019-002 dated June 3, 2019 does not show a completion date on the complaint log and appears to still be an open complaint. Complaint log reads that Betamethasone Acetate/Betamethasone Sodium Phosphate lot 03132019+51752 is clumping. Upon review of the complaint sample, the sample was drawn into a syringe and clumping was observed. There is no

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	TH AND HUMAN SERVICES G ADMINISTRATION
DISTRICT ADDRESS AND PHONE NUMBER	DATE(S) OF INSPECTION
19701 Fairchild	12/2/2019-12/20/2019*
Irvine, CA 92612-2445	FEI NUMBER 3 0 1 3 3 4 1 5 6 3
(949) 608-2900 Fax: (949) 608-4417	3013341303
NAME AND TITLE OF INDIVIDUAL TO WHOM REPORT ISSUED	
Navid Vahedi, President	25 111
FIRM NAME	STREET ADDRESS
Fusion IV Pharmaceuticals, Inc. dba Axia 1990 Westwood Blvd Ste 135 Pharmaceutical	
CITY, STATE, ZIP CODE, COUNTRY	TYPE ESTABLISHMENT INSPECTED
Los Angeles CA 90025-4650	Producer of Sterile Drug Products

complaint investigation into the manufacturing process, testing or formulation. "No" is marked on the log for whether an investigation is required.

OBSERVATION 7

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

Specifically,

A.

Your firm has failed to document the electronic review of pressure differential monitoring to ensure during production that pressure differentials are maintained in the ISO-5, ISO-6, ISO-7 and ISO-8 clean rooms during production. SOP 7.13 titled, "Automated EM" section 9.4 requires Quality Unit to document the EM results.

B.

Your firm has failed to investigate the environmental monitoring action limit observed for active viable air sampled in the ISO 5 filler room, location 1, 1 cfu recovered. Action limit is Your firm did not follow SOP 7.11 titled, Environmental Monitoring which requires as investigation to assess product impact when applicable.

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DEPARTMENT OF HEALTH AND HUMAN SERVICES FOOD AND DRUG ADMINISTRATION			
DISTRICT ADDRESS AND PHONE NUMBER	DATE(S) OF INSPECTION		
19701 Fairchild	12/2/2019-12/20/2019*		
Irvine, CA 92612-2445 (949)608-2900 Fax:(949)608-4417	3013341563		
NAME AND TITLE OF INDIVIDUAL TO WHOM REPORT ISSUED			
Navid Vahedi, President			
FIRM NAME	STREET ADDRESS		
Fusion IV Pharmaceuticals, Inc. dba Axia Pharmaceutical	1990 Westwood Blvd Ste 135		
CITY, STATE, ZIP CODE, COUNTRY	TYPE ESTABLISHMENT INSPECTED		
Los Angeles, CA 90025-4650	Producer of Sterile Drug Products		

C. Your firm has failed to perform the environmental monitoring in the classified cleanroom areas after November 11, 2019 according to the environmental log book and the Quality Manager. Drug production has continued to be manufactured in these cleanroom suites since November 11, 2019.

OBSERVATION 8

Examination of packaging and labeling materials for suitability and correctness before packaging operations is not documented in the batch production records.

Specifically,

On 12/5/19, I observed the potential for label mix-ups when labeling of small batches were performed in the filling clean room suite conducted on a table with 5 different drug product lots. The aseptic filling operator had just completed potential for label mix-ups when labeling of small batches were performed in the filling clean room suite conducted on a table with 5 different drug product lots. The aseptic filling a small batch. He then placed 5 small drug batches on the table each batch had approximately filled vials. The lots were:

Alprostadil 150 mcg/ml lot 12042019+53331

Papaverine HCL/Phentolamine mesylate 60mg/40mg/ml lot 12042019+53329

Alprostadil/Papaverine HCL/Phentolamine mesylate/Atropine 18mcg/1.8mg/0.2mg/0.2mg/ml lot 12042019+53327

Alprostadil/Papaverine HCL/Phentolamine mesylate/Atropine 40mcg/25mg/0.5mg/0.1mg/ml lot 12042019+53325

Alprostadil/Papaverine HCL/Phentolamine mesylate/Atropine 60mcg/30mg/2mg/0.15mg/ml lot 12042019+53323

The labels were issued without documentation, batch record or verification of the lot number by Quality Unit. It was stated by the Process Engineer that if the batch record has not been printed then he would just write what he has issued down on a piece of paper. Your firm is not documenting manufacturing activities contemporaneously.

OBSERVATION 9

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	DEPARTMENT OF HEAL FOOD AND DRIV	TH AND HUMA G ADMINISTRATION		ES				
DISTRICT ADDRESS AND PHONE NUMBER		DATE(S) OF INSPECTION						
19701 Fairchi			12/2/2019-12/20/2019*					
	rvine, CA 92612-2445		FEI NUMBER 3013341563					
(949)608-2900 Fax: (949)608-4417								
NAME AND TITLE OF INDIVIDUAL TO WHOM REPORT ISSUED								
Navid Vahedi, President								
TO A CONTROL OF THE C			STREET ADDRESS					
12.0	Fusion IV Pharmaceuticals, Inc. dba Axia 1990 Wes		stwood Blvd Ste 135					
CITY, STATE, ZIP CODE, COUNT			WENT INSPECTED					
Los Angeles,	les, CA 90025-4650 Producer		r of Sterile Drug Products					
Each batch of drug product purporting to be sterile and pyrogen-free is not laboratory tested to determine conformance to such requirements. Specifically, A. You have not completed method suitability for the sterility testing Method Validation document VAL-16-001 for your drug products tested with this sterility test method. Validation Protocol Deviation Report #2 lists test procedures which did not meet the acceptance criteria. Your Quality Unit has not reviewed and summarized the validation data and signed as Reviewed and Approved by. B.								
You have not completed the method suitability for the endotoxin testing using (b) (4) Assay (b) (4) for all drug products. Currently, only three drug products have completed method suitability.								
*DATES OF INSPECTION 12/02/2019(Mon), 12/03/2019(Tue), 12/04/2019(Wed), 12/05/2019(Thu), 12/06/2019(Fri), 12/09/2019(Mon), 12/10/2019(Tue), 12/11/2019(Wed), 12/12/2019(Thu), 12/13/2019(Fri), 12/16/2019(Mon), 12/17/2019(Tue), 12/18/2019(Wed), 12/19/2019(Thu), 12/20/2019(Fri)								
SEE REVERSE OF THIS PAGE	EmpLoyEE(s)SIGNATURE Erika V Butler, Investigator	r	;	Erika V Butler Investigator Signed By Erika V. Butler-S Diffe Signed 12-20-2019 11 54 40	DATE ISSUED 12/20/2019			

INSPECTIONAL OBSERVATIONS

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