W				2017	
	DEPARTMENT OF HEAL FOOD AND DRUG	G ADMINISTRAT		ES	
158-15 Libert			DATE(S) OF INS	PECTION 21-5/14/2021*	
Jamaica, NY	9 7		FEI NUMBER	21 3/14/2021	
	0 Ext:5301 Fax: (718) 662-5661		3010943	3533	
The state of the s	SPONSES@fda.hhs.gov				
NAME AND TITLE OF INDIVIDUA	AL TO WHOM REPORT ISSUED		L.		
G.	ito, Co-owner				
FIRM NAME	101 % A241 112 T	STREET ADDRESS	III 1 28 25	Rui.	
Pine Pharmace	euticals, LLC	355 Rive		kwy	
Tonawanda, N		Outsourc		ility	
observations, and do observation, or have action with the FDA	observations made by the FDA representative(s) not represent a final Agency determination regainsplemented, or plan to implement, corrective representative(s) during the inspection or submittact FDA at the phone number and address about	arding your con action in respon it this informati	npliance. If y	you have an objection re ervation, you may discu	garding an ss the objection or
OBSERVATION 1 There is a failure components to n	TION OF YOUR FIRM WE OBSERVED: to thoroughly review any unexplained neet any of its specifications whether o				
Specifically,			-	(b) (4)	
Management of the Contract of	nished product release testing of			(b) (4)	(1)
(2)	(4)), your contract lab obtained an O	100			(4)) on
STATE OF THE PARTY	21. Re-analysis of the sample (104.0%)	provide a property of the same	The second secon		
	estigation concluded, without adequat			· · · · · · · · · · · · · · · · · · ·	
	ck of reliability in the method used to d for release on 4/5/2021. (10)(4) vials of	weign the is	otope duri	71 3 7 4 3	the lot was
	#(b) (4); Exp. 09/05/2021) were distri	ibuted on 4/1	5/2021	(b) (4)	
	nished product release testing of	buted on 4/3	(b)	(4)	
(b) During III		vour contra) 😯 🖂	ained an OOS poten	cy result of
81 9% (s	pecification (b) (4) on 9/4/2020				
1,400	ot identify any lab error. The sample w				721
	ed the initial OOS result. Your investiga			50 05 50 50	
Charles and the second of the second	nformation relayed regarding the speci	Charles and the annual section of the section of th		mentance and the second of the	
	Iditional samples submitted on 09/15/		702	38	77.
Control of the Control	2020". You subsequently sent the sub		47		Fig. 10 court of the court
The Grand Control of the Control of	nethod that has not been validated and	and the second second second second	Same and the same of the same of		Control of the Contro
	as approved for released on 10/29/202			(b) (4)	7
				12/14/2020) were	distributed on
11/3/202	20.			al Constant # 1960 to the leady that Constant Park the State of the St	
12.1.3					
	EMPLOYEE(S) SIGNATURE				DATE ISSUED
SEE REVERSE	Mindy M Chou, Investigator				5/14/2021
OF THIS PAGE	Johnna L Bleem, Investigato	r		Mindy M Chou Investigator Signed By 2000648922 Date Signed 05-14-2021	
				X 15 12 14	

FORM FDA 483 (09/08)

	DEPARTMENT OF HEAL FOOD AND DRUG			S	
DISTRICT ADDRESS AND PHONE NUMBER 158-15 Liberty Avenue			DATE(S) OF INSPECTION 5/3/2021-5/14/2021*		
	naica, NY 11433		FEI NUMBER		
	(718) 340-7000 Ext:5301 Fax: (718) 662-5661		3010943	3533	
ORAPHARM1_RE	SPONSES@fda.hhs.gov				
NAME AND TITLE OF INDIVIDU	AL TO WHOM REPORT ISSUED		0		
9.	uto, Co-owner				
Pino Pharmage	euticals, LLC	355 Rive	rualk Dk	71.777	
CITY, STATE, ZIP CODE, COUN	7	TYPE ESTABLISHME		LW Y	
Tonawanda, N	Y 14150-5837	Outsourc	ing Faci	lity	
66.6% for of original contract sample with tested or not investo invalid subsequents	ne finished product release testing of (Lot #(b) or Lot #(b) (4) and 67.5% for Lot #(b) (4) al sample vial and original sample preplab was unable to determine an assign went through multiple freeze/thaw cycline time with result of 104.0% for Lot # stigate and confirm that the initial OOS date the initial OOS results. Despite the ently approved for released on 10/29/2020;	confirmed to able root can les. A new sa (b) (4) and 1 was due to be lack of suppersonant with and was due to a lack of suppersonant with and with was due to a lack of suppersonant with and with with and with an and with a	(4)), you o ion (b) he initial C use of the ample was .04.0% for the multip porting evi /2/2020, re	OOS results for both OOS; however, not submitted for both Lot #(b) (4). The colle freeze/thaw cyclidence, both lots w	20. Reinjection In lots. The ted that the th lots and contract lab did le of the sample tere als of (b) (4) (4); Exp.
11/9/202	20.	Caracelles		Control of the second control of the second	
(1981 - C) Annual Control Control	ne finished product release testing of		(b)	No. of the last of	(Lot #
(b) (4)) samples of the va OOS # 95 preparat different 93.5%, a there's "	xp. 3/17/2021), your contract laborato on 12/11/2020. Three new samples were 93.0%, 98.5%, 86.4%. Your contrible results from different syringes. If you indicated that the most probable ion error and you tested your hypothe (b) (4) and 96.6%. You concluded that the "var a lack of precision accuracy during pipe ition was closed on 1/27/2021 with pla	ere submitter act lab was un in your Final cause of the sis by reques) in (b) (4 riability" obsecting/sample	ed for reterunable to or Phase II Or er OOS resusting the late of the Phase II Or er erved from e preparate	st. The potency residetermine an assign OS/OOT Investigat ults was due to laborab to test one single sults for Lot # (b) (4) demostion" without scient	sult of these nable root cause ion Report for pratory e syringe of a were 93.6%, ponstrated that tific basis. The
OBSERVATION 2					
A September of the Common of the First Common of the Commo	ned to prevent microbiological contan	nination of d	rug produ	cts purporting to be	e sterile are not
established, writ	ten and followed.				
SEE REVERSE OF THIS PAGE	EMPLOYEE(S) SIGNATURE Mindy M Chou, Investigator Johnna L Bleem, Investigator	2		Mindy M Chou Investigator Styned by 200648922 Data Signed 05-14-2021 X	DATE ISSUED 5/14/2021

INSPECTIONAL OBSERVATIONS

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		DEPARTMENT OF HEA FOOD AND DR	LTH AND HUM UG ADMINISTRAT		ES	
DISTRICT ADDRESS AND PHO				DATE(S) OF INS		
	-15 Liberty Avenue aica, NY 11433		5/3/20.	21-5/14/2021*		
		Fax: (718) 662-5661	Ü	301094	3533	
ORAPHARM1_RES						
NAME AND TITLE OF INDIVIDUA	AL TO WHOM REPORT ISSU	JED		L		
Alfonse J. Mu	ito, Co-own	er				
FIRM NAME			STREET ADDRESS	III 124 13	201	
Pine Pharmace		LC	355 Rive		kwy	
Tonawanda, N		7	Outsourd	ing Fac	ility	
Specifically,						
(A)			(b) (4)			
N.S.C. 39						
	are filled into		als. Prior to fi	lling, the		ials which were
5		(b) (4)			in the ISO 7 Buffer	Room. The
aseptic f		erformed inside the ISO			(b) (4)	100 7 0 10
Danie fa) (4)	(b) (4)		als are transferred t	o ISO / Buffer
Room fo		(b) (4)	(b) (4)		onmental monitori	ng is not
performe	ed during the	(b) (4)	proces	Environmental monitoring is not ess. There is no assurance that such practice		
•		erior of the sterile vial				oden praetice
CONTRACTOR OF THE CO.	septic processi		(b) (4)		(Lot #(b) (4)) on !	5/4/2021, we
ANADOSAN TIP GONOSCHI CARACTER	The State of the S	ators did not sanitize a	Il materials p	rior to intr	oducing into the ISO	5 hood except
for the la	rge bulk comp	ounded IV bags. The D	irector of QA	stated th	eir procedure does	not require
The same of the sa		wipe down the materi		A STATE OF THE PARTY OF THE PAR		
	27	ously wiped down in th		7,17		20
2000		reported during the p	revious inspe	ections of 2	2018 and discussed	at the
	ry Meeting in 2	ISO 5 hoods ^{(b) (4)} th	at are not are	2000 OF BE	odust dodisated in	the buffer
1759 15		noke study of the ISO 5	7/1			THE RESIDENCE OF THE PARTY OF T
Tooms.		4) T				
aseptic fi		. According to the Dire				
		yringe" processes are				
is not alv	vays used to co	onduct the dynamic sm				
producti		(b) (4)		100000000000000000000000000000000000000) on 4/22/2021; and	
	he production				4)) on 5/3/2021. Th	
		oke studies with (b)		ge" and (D	(4) syringe" filling	ng processes for
(b) (4) a	nd (b) (4)	syringe" filling proce	ss for(D) (4)			
	CMDI OVEREN	-				DATE IOC.
SEE REVERSE	Mindy M Ch	nou, Investigator				5/14/2021
OF THIS PAGE		Bleem, Investigato	or		Mindy M Chou Investigator Stoned By 2000548922	
					Date Signed 05-14-2021 X 15 12 14	

INSPECTIONAL OBSERVATIONS

FORM FDA 483 (09/08)

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PAGE 3 of 6 PAGES

	EALTH AND HUMAN SERVICES DRUG ADMINISTRATION
DISTRICT ADDRESS AND PHONE NUMBER 158-15 Liberty Avenue Jamaica, NY 11433 (718) 340-7000 Ext:5301 Fax: (718) 662-56 ORAPHARM1_RESPONSES@fda.hhs.gov	DATE(S) OF INSPECTION 5/3/2021-5/14/2021* FEI NUMBER 201.0043532
NAME AND TITLE OF INDIVIDUAL TO WHOM REPORT ISSUED	-
Alfonse J. Muto, Co-owner	STREET ADDRESS
Pine Pharmaceuticals, LLC	355 Riverwalk Pkwy
CITY, STATE, ZIP CODE, COUNTRY	TYPE ESTABLISHMENT INSPECTED
Tonawanda, NY 14150-5837	Outsourcing Facility
observed the following: i. During our review of the dynamic sr simulated the (b) (4) Pump between the large volume parenter video (File name: PEC-V IV Bags.wm ii. During our review of the production (I around 8:30 a.m. temporary to the production (I around 8:30 a.m. temporary the production (I around 8:30 a.m. temporary tem	to video for (b) (4) Lot #(b) (4); Exp. 08/01/2021), operator was observed at orarily stacking IV bags at the edge of the ISO 5 hood in close IV bag, where solution was being withdrawn with the aid of
iii. During the aseptic filling of	(b) (4) (Lot $\#$ (b) (4)) on
and bottle tips during the filling pro- grabbing the bottle cap with their g the cap. The operator was also obse trays of caps with product contact s (b) (4) used t free, by the manufacturer. The unw	rved with their arms reaching over open eye drop bottles cess. Part of the filling process also involves the operating loved hands and (b) (4) into erved holding the tray containing the bottle tips above the urface facing upward. Additionally, the (b) (4) to wrap the company of this (b) (4) wrap occurred in the ISO 5 LAFW. There did not generate particles inside the ISO 5 LAFW during
OBSERVATION 3	

The quality control unit lacks responsibility to approve and reject all procedures or specifications impacting on the identity, strength, quality and purity of drug products.

Specifically, the following lots of products were released and distributed based on the result obtained using potency test method which has not been validated:

EMPLOYEE(S) SIGNATURE Mindy M Chou, Investigator Johnna L Bleem, Investigator	Mindy M Chou Investigato S 200648922 S Dille Signed 05-14-2021 X 15 12 14	DATE ISSUED 5/14/2021

DEPARTMENT OF HEALTH AND HUMAN SERVICES FOOD AND DRUG ADMINISTRATION DISTRICT ADDRESS AND PHONE NUMBER 158-15 Liberty Avenue Jamaica, NY 11433 (718) 340-7000 Ext:5301 Fax: (718) 662-5661 ORAPHARM1_RESPONSES@fda.hhs.gov NAME AND TITLE OF INDIVIDUAL TO WHOM REPORT ISSUED Alfonse J. Muto, Co-owner FIRM NAME Pine Pharmaceuticals, LLC STREET ADDRESS Pine Pharmaceuticals, LLC DATE(S) OF INSPECTION 5/3/2021-5/14/2021* FEI NUMBER 3010943533

TYPE ESTABLISHMENT INSPECTED

Outsourcing Facility

Product Name	Lot#	Exp. Date	QA Approval Date	Distribution Date	Qty. Distributed
(h) (/		12/14/2020	10/29/2020	11/3/2020	(b) (4)
(D) (4	r <i>J</i>	12/30/2020	10/29/2020	10/29/2020	
		01/08/2021	10/27/2020	10/27/2020	
		02/02/2021	11/18/2020	11/20/2020	
		02/22/2021	12/08/2020	12/15/2020	

This observation is a repeated objectionable condition reported during the previous inspection of 2015 and 2016 Warning Letter.

OBSERVATION 4

CITY, STATE, ZIP CODE, COUNTRY

Tonawanda, NY 14150-5837

Laboratory controls do not include the establishment of scientifically sound and appropriate specifications, standards, sampling plans and test procedures designed to assure that components, drug product containers, closures, in-process materials, labeling and drug products conform to appropriate standards of identity, strength, quality and purity.

Specifically, Growth promotion testing is not performed for the in-house prepared growth media (b) (4) (b) (4) used for media fills, such as the simulation of aseptic filling of eye drop product and large volume parenteral drug products. Bulk (b) (4) was used in the growth media preparation for the aseptic process

SEE REVERSE Mindy M Chou, Investigator Johnna L Bleem, Investigator	Mindy M Chou Investigator Signed by 2000648922 Date Signed 05-14-2021 X 15 12 14	5/14/2021
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		TH AND HUMAN SERVIC G ADMINISTRATION	ES	
DISTRICT ADDRESS AND PHO	NE NUMBER	DATE(S) OF IN		
158-15 Liber Jamaica, NY	2 T	5/3/20 FEI NUMBER	21-5/14/2021*	
	0 Ext:5301 Fax: (718) 662-5661	301094	3533	
ORAPHARM1_RE	SPONSES@fda.hhs.gov			
NAME AND TITLE OF INDIVIDU	AL TO WHOM REPORT ISSUED			
TO STREET A TO SEE STREET STRE	uto, Co-owner			
Pine Pharmace	euticals, LLC	355 Riverwalk P	bury	
CITY, STATE, ZIP CODE, COUN	The state of the s	TYPE ESTABLISHMENT INSPECTED	K W Y	
Tonawanda, N	Y 14150-5837	Outsourcing Fac	ility	
(b) (4) and	d operators (b) (6) on 4/22/2020 or the prepared media used in these as	(b) (4)	or ^{(b) (6)} on 9/29/2020). Growth promotion ions to assure media	testing were
OBSERVATION 5	8			
	alibration checks and inspections of au	tomatic mechanical	or electronic equipm	ent including
SEATON CONTRACTOR AND	ated systems are not maintained.	nomano, moonamoan	or cicculoring equipit	ione, melalang
N.				
The second secon	emperature sensors and the pressure		(b) (4)	have not
1965 67 6960	since its installation in February 2018.	The terms of the second of the		
	n the ISO 5 LAFW. The bottle trays, cap	41.		
ALMERICAN PROPERTY OF THE PROPERTY OF THE PARTY OF THE PA	2021 were used for the production of	(b)		(Lot # (b) (4))
on 4/22/2021 an	d for the production of (b)	(4) (Lot	#(b) (4)) on 5/3/20	21.
*DATES OF INSP				
	, 5/04/2021(Tue), 5/05/2021(Wed), 5/	THE RESERVE OF THE PARTY OF THE	021(Fri), 5/10/2021	(Mon),
5/11/2021(Tue),	5/12/2021(Wed), 5/13/2021(Thu), 5/2	14/2021(Fri)		
Johnna L Bleem Investigator Signed By: Johnna L. B Date Signed: 05-14-202	leem -S2			
Date Signed: 05-14-202	11 15:12-55			
OFF DEV/555	EMPLOYEE(S) SIGNATURE		ı	DATE ISSUED
SEE REVERSE				
() FINIS DAGE	Mindy M Chou, Investigator		Mindy M Chou	5/14/2021
OF THIS PAGE	Johnna L Bleem, Investigator	c	Investigator Signed By 2000648922 Date Stored 05-14-2021	
OF THIS PAGE	- [18] [[전에 [2] [2] [[2] [2] [2] [2] [2] [2] [2] [2	r		

INSPECTIONAL OBSERVATIONS

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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 judgment, 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."