		ALTH AND HUMAN SERVICE	ES	
		RUG ADMINISTRATION		
DISTRICT OFFICE ADDRESS AND PHONE NUMBER US Food & Drug Administration, CDER/Inspection Assessmen White Oak Building 51, Room 4235, 10903 New Hampshire Av			November 7, 2016-No	ovember 16, 2016
20993, Attn:	: Mr. Concepcion (Coki) Cruz; Telephone 001-301-7-8738; E-MAIL: cderosiab@fda.hhs.gov		FEINUMBER	
Industry Information: www.fda.gov/oc/industry			3002807979	
NAME AND TITL	LE OF INDIVIDUAL TO WHOM REPORT IS ISSUED			
TO: Jila Bre	eeze, Senior Vice President and Head of Global Qua	lity and Compliance		
FIRM NAME		STREET ADDRESS		
	ceuticals Industries, Inc.	SEZ Unit-I, Plot A-4	I, Industrial Area, Phase	VIII-A
CITY, STATE AN		TYPE OF ESTABLISHMENT INSPECTED		
S.A.S. Nagar	r, Mohali-160071 Punjab, India	Finished Dosage Pharmaceutical Manufacturer		
OBSERVATIONS OBSERVATION, OBJECTION OR YOU HAVE ANY	NT LISTS OBSERVATIONS MADE BY THE FDA REPRESENT, s; AND DO NOT REPRESENT A FINAL AGENCY DETERMINAT, OR HAVE IMPLEMENTED, OR PLAN TO IMPLEMENT COR ACTION WITH THE FDA REPRESENTATIVE(S) DURING THE QUESTIONS, PLEASE CONTACT FDA AT THE PHONE NUMBE SPECTION OF YOUR FIRM (I) (VE) OBSERVED:	TON REGARDING YOUR COMPL RECTIVE ACTION IN RESPON INSPECTION OR SUBMIT THIS	IANCE. IF YOU HAVE AN OB.	ECTION REGARDING AN YOU MAY DISCUSS THE
LABORAT	TORY SYSTEM			
Observation				
	failure to thoroughly review the failure of a			y of its
specificatio	ons whether or not the batch has been alread	dy distributed. Specific	cally,	
ā.	(b) (4) Tablets (4) mg, written OOS in the control of June 2016 for related substance test of	investigation #217272	, was opened on 22	April 2016 and
	06 June 2016 for related substance test of (b) (4)	of (4)	. The f	ailing result
	n 20 April 2016 for batch # (b) (4) was	% with specification (b) (4) #	of NM1 %. 1hr	e additional
(b) (4) (b) (b) (c)	%, and (b)(4)% (c)(r) respectively. The lat	poratory investigation	revealed no laborato	ry error after
	analysis. A full investigation was done in pr	roduction and a non-as	signable cause was i	dentified. The
	ociated with the event were released to the	market in the month o	f March 2016. The i	mpurity
specificatio	on of (b) (4) (NMT (b) (4)) for finished (b) (4)	dosage form was char	iged in line with the	EP pharmacopeia
	on (b) (4)/6) for (b) (4) The last last last last last last last last	fter these OOS results	were obtained to just	ify the release of
the	(b) (4) Tablet batches. Additionally	, the firm's did not to	now SOP #UPU1313	6, entitled,
was found	f Out of Specification Results (OOS) which	n requires the batch dis	sposition of rejected	ii the OOS result
b.	Tablets (b) (a) mg and (b) mg, wr	ritten OOS investigatio	n #221781 was and	ned on 20 Mar
2.900	losed on 07 June 2016 for IR test identifica	tion. The investigation	was regarding the a	neu on 20 iviay
#(b) (4)	losed on 07 June 2016 for IR test identificate $\#^{(b)}(4)$ $\#^{(b)}(4)$	(b) (4) and	b) (4) performed on 23	May 2016 that
20		$\pm^{(b)}(4)$ ± $\pm^{(b)}(4)$, and $\pm^{(b)}(4)$ ± $\pm^{(b)}(4)$		
	tour I interviewed the analyst who performe	ed the IR identification	analyses (" (b) (6),) a	nd he stated that
	ed the IR identity test without being trained			
	(b) (4) tablets. The firm failed to train a	and qualify the analyst	in the IR identificat	ion of
	(b) (4) Tablets prior to assigning finish	ed product samples to	be analyzed by IR.	
Observation	12			
	EMPLOYEE(S) SIGNATURE	EMPLOYEE(S) NAME AND TITL	E (Print or Type)	DATE ISSUED
SEE REVERSE	February Relige	Steven D. Kehoe, Investigat		
OF THIS PAGE	75)CS	Felix Maldonado, Investiga Daniel J. Roberts, Investiga		11/16/2016

DEPARTMENT OF HEALTH AND HUMAN SERVICES

	FOOD AND DRUG ADMINISTRATION		
DISTRICT OFFICE ADDRESS AND PHONE NUMBER	DATE(S) OF INSPECTION		
US Food & Drug Administration, CDER/Inspection White Oak Building 51, Room 4235, 10903 New H	n Assessment Branch Iampshire Avenue Silver Spring, MD	November 7, 2016-N	ovember 16, 2016
20993, Attn: Mr. Concepcion (Coki) Cruz; Telepho	FEI NUMBER		
001-301-847-8738; E-MAIL: cderosiab@fda.hhs.g Industry Information: www.fda.gov/oc/industry	3002807979		
NAME AND TITLE OF INDIVIDUAL TO WHOM REPORT IS ISSUE	D		•
TO: Jila Breeze, Senior Vice President and Head of	f Global Quality and Compliance		
FIRM NAME	STREET ADDRESS		
Sun Pharmaceuticals Industries, Inc.	SEZ Unit-I, Plot A-4	SEZ Unit-I, Plot A-41, Industrial Area, Phase VIII-A	
CITY, STATE AND ZIP CODE	TYPE OF ESTABLISHMENT	TYPE OF ESTABLISHMENT INSPECTED	
S.A.S. Nagar, Mohali-160071 Punjab, India	Finished Dosage Pha	Finished Dosage Pharmaceutical Manufacturer	
However, the AAS equipment logbook doe	and standards. Specifically, g in the laboratory equipment log October 29, 2016, ent via Atomic Absorption Spectrs not show that repeat analysis was tested for (b) (4) content via that the batch was tested twice. The computers or related systems to ords are instituted only by author torius GP3202 precision balance y to weigh (b) (4) for analysis.	cbook when samples raw material rometry (AAS) due to as performed. In add AAS three times due assure that changes rized personnel. Spe	are reanalyzed batch (b) (4) to invalidated runs. dition on April 27, the to invalidated in master seifically, ABAL04 that is
Observation 4			
Examination and testing of samples is not d	one to assure that in-process may	terials conform to sp	ecifications.
Specifically, (b) (4)		(b) (4) (b)	(b)
Raw material used by you	r firm for manufacturing of		a)mg tablets, is
reprocessed	and in mai ly for testing of (b) (4) Ho	nufacturing operatio wever, the (b) (4)	ns. Your IIIII
keeps a specification sole to that of the incoming (b) (4)	w material. There is no iustificat	ion for the use of a	test for
the (b) (4) or the (b) (4) range	e usted in the spe	echication.	
While V.Y., Regional Quality Head claims	the (b) (4) processing	of (b) (4) is used	to improve tablet
range, there is no data showing dir	rect correlation between	and fin	ished tablet
QUALITY SYSTEM			
Observation 5			
EMPLOYEE(S) SIGNATURE	EMPLOYEE(S) NAME AND TITI	F (Print or Type)	DATE ISSUED
SEE SOK	Steven D. Kehoe, Investiga		DATE IGOUED
REVERSE FM	Felix Maldonado, Investiga	ntor	11/16/2016
PAGE SSQ	Daniel J. Roberts, Investiga	itor	
FORM FDA 483 (9/08) PREVIOUS EDITION OBSOLETE	INSPECTIONAL OBSERV	ATIONS	Page 2 of 4

DEPARTMENT OF HEALTH AND HUMAN SERVICES FOOD AND DRUG ADMINISTRATION

DISTRICT OFFICE ADDRESS AND PHONE NUMBER

US Food & Drug Administration, CDER/Inspection Assessment Branch

White Oak Building 51, Room 4235, 10903 New Hampshire Avenue Silver Spring, MD 20993, Attn: Mr. Concepcion (Coki) Cruz; Telephone 001-301-796-3254; FAX:

001-301-847-8738; E-MAIL: cderosiab@fda.hhs.gov

Industry Information: www.fda.gov/oc/industry

NAME AND TITLE OF INDIVIDUAL TO WHOM REPORT IS ISSUED

3002807979

TO: Jila Breeze, Senior Vice President and Head of Global Quality and Compliance

Sun Pharmaceuticals Industries, Inc.

SEZ Unit-I, Plot A-41, Industrial Area, Phase VIII-A

DATE(S) OF INSPECTION

FEI NUMBER

November 7, 2016-November 16, 2016

TYPE OF ESTABLISHMENT INSPECTED

S.A.S. Nagar, Mohali-160071 Punjab, India

CITY, STATE AND ZIP CODE

Finished Dosage Pharmaceutical Manufacturer

The quality control unit lacks authority to review production records to assure that no errors have occurred. Specifically,

SOP OPO13152 "Good Documentation Practices (GDP) effective date July 28, 2016 explains that Quality Assurance is to periodically review electronic data as a part of self-inspection. However, periodic review of electronic data is only being performed for the quality control testing laboratory and is not being is not performed for the programmable logic controller (PLC) and automated systems located in the production area. Regarding this,

a. Quality assurance does not periodically review the alarms generated in the automated systems and the only automated equipment alarms that are being reviewed are the ones that production operators document in the batch production records that cause an equipment stoppage during a production run.

b. Event logs (audit trails) generated in the numan machine interface automated compression machine are not periodically reviewed by quality assurance for disassembly, cleaning, change over and preventative maintenance. Quality assurance only reviews the hard copy printout event logs printed by production personnel and attached in the batch production record after the completion of a compression batch that document the activities performed between the start and stop of a production run.

c. On November 9, 2016, during a walk-through of the production area, we observed an error message prompt on the human machine interface automated compression machine equipment ID MPDRCM01 that read the following: "Valid is required". According to production operators in the area, the error message has been appearing for months on the equipment. However, quality assurance was not notified of the error message prompt on the machine and there was no associated investigation into the issue.

Observation 6

The quality control unit lacks responsibility to reject all procedures or specifications impacting on the quality of drug products. Specifically,

Previously retired versions of standard operating procedures and forms are accessible for viewing for the end users of the electronic document management system entitled "Documentum Compliance Manager". A general search on the electronic document management system allows the end users to access these obsolete procedures.

PRODUCTION SYSTEM

Observation 7

SEE Steven D. Kehoe, Investigator	
REVERSE For Maldanada Inventionada	
	11/16/2016

DEPARTMENT OF HEALTH AND HUMAN SERVICES

FOOD AND D	RUG ADMINISTRATION			
US Food & Drug Administration, CDER/Inspection Assessmen White Oak Building 51, Room 4235, 10903 New Hampshire Av 20993, Attn: Mr. Concepcion (Coki) Cruz; Telephone 001-301-001-301-847-8738; E-MAIL: ederosiab@fda.hhs.gov	renue Silver Spring, MD	DATE(S) OF INSPECTION November 7, 2016-November 16, 2016 FEI NUMBER 3002807979		
Industry Information: www.fda.gov/oc/industry NAME AND TITLE OF INDIVIDUAL TO WHOM REPORT IS ISSUED				
	lity and Compliance			
TO: Jila Breeze, Senior Vice President and Head of Global Qua	STREET ADDRESS			
		I Industrial Assa Dhana	THIT A	
Sun Pharmaceuticals Industries, Inc.	SEZ Unit-I, Plot A-41, Industrial Area, Phase VIII-A TYPE OF ESTABLISHMENT INSPECTED			
		armaceutical Manufacturer		
There are no written procedures for production and pro-				
Regarding this. (b) (4) (4) machine equipment qualification of Machine Equipment Number: MPDGACO. 4. 2010 was performed at a set (b) (4) to (b) (4) distance val product development report titled Addendation and (b) (4) mg report FSTR/03/0212-A02, ap distance range value of m to (4)cm. (b) (4) process valuation report titled Process Poly (5) (4) Tablets (4) mg (Compression and (b) (4) Tablets (4) mg (Compression and (b) (4) Tablets (4) mg (Compression and (b) (4) distance value of (4) (4) (4) (5) (4) (5) (4) (5) (4) (5) (4) (5) (4) (5) (4) (5) (4) (5) (4) (5) (4) (5) (4) (5) (4) (5) (4) (5) (4) (5) (4) (5) (4) (5) (4) (5) (4) (6) (4) (6) (4) (6) (4) (6) (4) (6) (4) (6) (4) (6) (4) (6) (4) (6) (4) (6) (4) (6) (4) (6) (4) (6) (4) (6) (4) (6) (4) (6) (4) (6) (4) (6) (4) (6) (6) (4) (6) (6) (6) (6) (6) (6) (6) (6) (6) (6	lue of (4):m. dum II to Feasability 7 proved on April 18, 20	Frial Report of 012 was performed a	(b) (4) t a (b) (4) to (b) (4)	
		Trial Control		
	DX WWIZOR			
	WW/2			
	100			
SEE STORY FOR THE SEE SEE STORY THE SEE SEE STORY THE SEC	EMPLOYEE(S) NAME AND TITL Steven D. Kehoe, Investiga Felix Maldonado, Investiga Daniel I. Pabarta, Investiga	tor	11/16/2016	
PAGE	Daniel J. Roberts, Investiga	IOI		
(2) < 3				