	LTH AND HUMAN SERVIO UG ADMINISTRATION	ES	
DISTRICT OFFICE ADDRESS AND PHONE NUMBER CDER Division of Inspectional Assessment; Attn. Mahesh Ramanadham, Director E-MAIL: Mahesh.Ramanadham@fda.hhs.gov White Oak Building 51, Room 4328 PHONE +1-301-796-3272 Industry Information: www.fda.gov/oc/industry		DATE(S) OF INSPECTION 23 - 27 April 2018, 30 FEI NUMBER 3005949964	April - 1 May 2018
NAME AND TITLE OF INDIVIDUAL TO WHOM REPORT IS ISSUED			
TO: Mr. Melvin R. Hawkins, General Manager			
FIRM NAME	STREET ADDRESS		
Cook Pharmica LLC	1300 S. Patterson Drive		
CITY, STATE AND ZIP CODE	TYPE OF ESTABLISHMENT INSPECTED		
Bloomington, IN 47403	Drug Substance Manufacturing Facility		
THIS DOCUMENT LISTS OBSERVATIONS MADE BY THE FDA REPRESENTA OBSERVATIONS; AND DO NOT REPRESENT A FINAL AGENCY DETERMINATION OBSERVATION, OR HAVE IMPLEMENTED, OR PLAN TO IMPLEMENT CORROBLECTION OR ACTION WITH THE FDA REPRESENTATIVE(S) DURING THE IN YOU HAVE ANY QUESTIONS, PLEASE CONTACT FDA AT THE PHONE NUMBER DURING AN INSPECTION OF YOUR FIRM (I) (VE) OBSERVED:	ON REGARDING YOUR COMP ECTIVE ACTION IN RESPO INSPECTION OR SUBMIT THI	LIANCE, IF YOU HAVE AN OBJ NSE TO AN OBSERVATION, Y	ECTION REGARDING AN OU MAY DISCUSS THE
Observation 1. There is an unacceptably high number of manufacture of bulk drug substance. Specifica 6 to 46 during 2017, and one mold was recovered in the recoveries have been trending upward since 2015.	lly, mold recoveries	in ISO-8 classified ro	oms ranged from
Observation 2. Written procedures to prevent contamin Specifically, deviation PR 104369 was opened due to some on 12 July 2014. 190 CFU/mL we investigation showed that equipment of the incorrectly during of the contamination of the contamin	a bioburden excursion re recovered (action s improperly setup:	limit: \leq (4) CFU/mL).	of ^{(b) (4)} lot
Observation 3. There is a lack of quality oversight in the substance manufacture. Specifically, after deviation PR on 2 March 2017) was opened, an unaccept detected on 1 May 2017 (LIMS sample #974194), on the drug substance. The result (LIMS sample #974194) investigation because the associated bioburden limit was observation 4. Corrective actions do not include imple	176620 (due to a basel high level of bit he same process equal 4194) did not automas "report result."	oburden excursion of oburden (b) (4) CFU/10 (c) (d) (d) (d) (d) (d) (d) (d) (d) (d) (d	the ^{(b) (4)} 00 mL) was ed to manufacture cause ent similar
deviations from recurring. Specifically, deviations PR	188727 and PR 1891	63 were opened becar	
filter, Item Master (IM) number 403350 (lot), failed to pa	ass the (b) (4) integr	ity test. The root
cause was determined to be a defect in the filter's man			•
corrective actions to the filter manufacturing process in	• •	-	
deviations PR 188727 and PR 189163 did not include a defective filters in the manufacturing process.	stablishing appropri	-	
EMPLONEE(S) SIGNATURE	EMPLOYEE(S) NAME AND TO	,	DATE ISSUED
REVERSE OF THIS PAGE Dicholas L. Pivulin	Scott R. Nichols, PhD., M Nicholas L. Paulin, Consu Cristina Ausin-Moreno, P Yanning An. PhD., Chem	mer Safety Officer; hD., Senior Staff Fellow;	05/01/2018

DEPARTMENT OF HEALTH AND HUMAN SERVICES

FOOD AND DRUG ADMINISTRATION

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

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Observation 5. Sufficient controls to prevent unauthorized changes to data stored on your firm's HPLC and GC computer systems are inadequate. Specifically, on 25 April 2018, a Senior Scientist demonstrated that the time zone setting could be changed and saved on the HPLC and GC systems. No requirement of administrative privileges was required to change the time zone of your firm's HPLCs and GC system, thereby allowing for the alteration of real-time records and data collection.

OF THIS

Micholas L. Paulin

EMPLOYEE(S) NAME AND TITLE (Print or Type)
Scott R. Nichols, PhD., Microbiologist;
Nicholas L. Paulin, Consumer Safety Officer;
Cristina Ausin-Moreno, PhD., Senior Staff Fellow;
Yanming An, PhD., Chemist

DATE ISSUED

05/01/2018

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INSPECTIONAL OBSERVATIONS

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