DEPARTMENT OF HEALTH AND HUMAN SERVICES FOOD AND DRUG ADMINISTRATION					
DISTRICT ADDRESS AND PHONE NUMBER	DATE(S) OF INSPECTION				
12420 Parklawn Drive, Room 2032	6/15/2023-6/23/2023*				
Rockville, MD 20857	FEI NUMBER 3007574780				
NAME AND TITLE OF INDIVIDUAL TO WHOM REPORT ISSUED					
Mr. Arindom Sen, Site Head, Senior General Manager Operations					
FIRM NAME	STREET ADDRESS				
Ipca Laboratories Limited	1 Pharma Zone, SEZ Indore, Pithampur				
CITY, STATE, ZIP CODE, COUNTRY	TYPE ESTABLISHMENT INSPECTED				
Dhar, Madhya Pradesh, 454775 India	Drug Manufacturer				

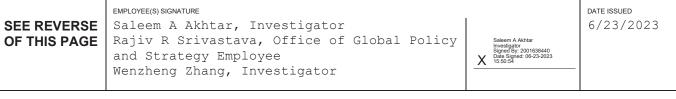
This document lists observations made by the FDA representative(s) during the inspection of your facility. They are inspectional observations, and do not represent a final Agency determination regarding your compliance. If you have an objection regarding an observation, or have implemented, or plan to implement, corrective action in response to an observation, you may discuss the objection or action with the FDA representative(s) during the inspection or submit this information to FDA at the address above. If you have any questions, please contact FDA at the phone number and address above.

# during an inspection of your firm we observed: $OBSERVATION \ 1$

There is a failure to thoroughly review any unexplained discrepancy and the failure of a batch or any of its components to meet any of its specifications whether or not the batch has been already distributed.

Specifically,

A. On 12/2/2022, the lab recorded OOS result PIT/OOS/2020/050 for (b) (4) Tablet mg dissolution test by UV-visible Spectrophotometer. The OOS result was reported for Batch No. (b) (4) (non-US market) (Unit result %, Stability Sample 25 ± 2 °C/60 ± 5 %RH, 9 month), against the Specification NLT (Q) of the labeled amount of (b) (4) dissolved in (b) (4)



FORM FDA 483 (09/08) PREVIOUS EDITION OBSOLETE INSPECTIONAL OBSERVATIONS PAGE 1 of 18 PAGES

DEPARTMENT OF HEALTH AND HUMAN SERVICES FOOD AND DRUG ADMINISTRATION				
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Ipca Laboratories Limited	1 Pharma Zone, SEZ Indore, Pithampur			
CITY, STATE, ZIP CODE, COUNTRY TYPE ESTABLISHMENT INSPECTED				
Dhar, Madhya Pradesh, 454775 India	Drug Manufacturer			

the initial OOS results.

B. On 12/5/2022, the lab recorded OOS result PIT/OOS/2020/051 for **(b) (4)** Tablet mg assay test by HPLC. The OOS result was reported for one of the batches out of the three batches run in the same sequence: Batch No. **(b) (4)** Tablet mg, non-US market, OOS batch) (result b) (4) %, Stability Sample 25 ± 2 °C/60 ± 5 %RH, 3 month), Batch No. **(b) (4)** (b) **(4)** Tablet mg, non-US market) (result b) (4) %, Stability Sample 25 ± 2 °C/60 ± 5 %RH, 9 month) and Batch No. **(b) (4)** (b) **(4)** Tablet mg, non-US market) (result b) (4) %, Stability Sample 25 ± 2 °C/60 ± 5 %RH, 3 month) against the Specification mg, non-US market) (result b) (4) %, You tested the sample using test procedure, STP No. TP/AS/0950/00 Assay (By HPLC) for **(b) (4)** Tablets, Effective date 10/25/2019, in line with your analytical method validation report, AMV/R/2017/010/00, Effective date 8/23/2017.

In the Phase IA of the investigation, no assignable root cause was identified. In Phase IB investigation no laboratory error was identified. However, you suspected (b) (4) at the sample preparation stage as the probable cause. You attempted to verify higher assay value from "improper (b) (4) through a hypothesis test by re-preparing and testing the sample solution which resulted in a passing assay result (b) (4) %). From these results, you concluded "error in (b) (4) " as the root cause and you further stated that the analyst might have applied higher pressure that might have (b) (4) and caused higher assay (b) (4) %).

Your investigation stated that all the three samples that were analyzed in the sequence were prepared by the same analyst (Ms.<sup>(b)</sup> (6) who was trained in the sample preparation. Also, you did not investigate why a (b) (4) will cause higher assay value (b) (4) %, that is ~ (b) (4) % higher than the higher end of the Specification, (b) (4) %. In addition, you do not verify whether or not the (b) (4) was(b) (4) Based on this inconclusive hypothesis, you retested the samples for assay and based on the passing results, you invalidated the initial OOS results.

SEE REVERSE
OF THIS PAGE

EMPLOYEE(S) SIGNATURE

Saleem A Akhtar, Investigator

Rajiv R Srivastava, Office of Global Policy
and Strategy Employee

Wenzheng Zhang, Investigator

Saleem A Akhtar Investigator Signed By: 2001638440 Date Signed: 06-23-2023 15:50:54 DATE ISSUED 6/23/2023

PAGE 2 of 18 PAGES

DEPARTMENT OF HEALTH AND HUMAN SERVICES FOOD AND DRUG ADMINISTRATION					
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12420 Parklawn Drive, Room 2032	6/15/2023-6/23/2023*				
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NAME AND TITLE OF INDIVIDUAL TO WHOM REPORT ISSUED					
Mr. Arindom Sen, Site Head, Senior General Manager Operations					
FIRM NAME	STREET ADDRESS				
Ipca Laboratories Limited	1 Pharma Zone, SEZ Indore, Pithampur				
CITY, STATE, ZIP CODE, COUNTRY	TYPE ESTABLISHMENT INSPECTED				
Dhar, Madhya Pradesh, 454775 India	Drug Manufacturer				

C. On 11/29/2021, the lab recorded OOS result PIT/OOS/2021/035 for (b) (4) Tablet mg assay test by HPLC. The OOS result was reported for one of the batches out of the three batches run in the same sequence: Batch No. (b) (4) Tablet mg, non-US market, OOS batch) (result (b) (4) %, Finished product), Batch No. (b) (4) Tablet mg, non-US market) (result (b) (4) %, Finished product), and (b) (4) Tablet mg, non-US market) (result (b) (4) %, Finished product) against the Specification (b) (4) %, Finished the sample using test procedure, STP No. TP/AS/0278/01 Assay Test for (b) (4) Tablets, Effective date 11/13/2014, in line with your analytical method validation report, PRO/SIM/01/01/51/MUM, Effective date 9/16/2007.

In the Phase IA of the investigation, no assignable root cause was identified. In Phase IB investigation no laboratory error was identified. However, you suspected(b) (4) at the sample preparation stage and/or(b) (4) of the vial (for HPLC) as the probable cause. You attempted to verify higher assay value from (b) (4) issue and/or(b) (4) if through a hypothesis test by (b) (4) refilling the sample and testing for the assay. Based on the passing assay values, you concluded "there might be chance of error during vial filling of(b) (4) issue" as the assignable cause.

Your investigation is deficient such that the hypothesis test did not conclusively support the root cause. You did not extend your investigation into Phase II including the Manufacturing stage. Based on this inconclusive hypothesis, you retested the samples for assay and based on the passing results, you invalidated the initial OOS results.

D. On 1/29/2022, the lab recorded OOS result PIT/OOS/2022/001 for (b) (4) Tablet mg (b) (4) test by HPLC. The OOS result was reported for 2 units out of units (Sets 1, 2 and 3, Sample Size 1x-3x) sample tested for one of the process validations batches: Batch No.

SEE REVERSE OF THIS PAGE OF THIS PAGE Wenzheng Zhang, Investigator  Wenzheng Zhang, Investigator  SEE REVERSE OF THIS PAGE  Saleem A Akhtar, Investigator  Rajiv R Srivastava, Office of Global Policy and Strategy Employee  Wenzheng Zhang, Investigator  DATE ISSUED 6/23/2023  Saleem A Akhtar Investigator  X District Synch By. 2001638440  DATE ISSUED 6/23/2023
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FORM FDA 483 (09/08) PREVIOUS EDITION OBSOLETE INSPECTIONAL OBSERVATIONS PAGE 3 of 18 PAGES

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DISTRICT ADDRESS AND PHONE NUMBER	DATE(S) OF INSPECTION			
12420 Parklawn Drive, Room 2032	6/15/2023-6/23/2023*			
Rockville, MD 20857	FEI NUMBER 3007574780			
NAME AND TITLE OF INDIVIDUAL TO WHOM REPORT ISSUED				
Mr. Arindom Sen, Site Head, Senior Genera	5 ±			
FIRM NAME	STREET ADDRESS			
Ipca Laboratories Limited	1 Pharma Zone, SEZ Indore, Pithampur			
CITY, STATE, ZIP CODE, COUNTRY	TYPE ESTABLISHMENT INSPECTED			
Dhar, Madhya Pradesh, 454775 India	Drug Manufacturer			
(b) (4) (non-US market) (Set 2 Location (b) (4) result(b) (4)%, Set 3 Location(b) (4) result(b) (4)%, Stage (b) (4) against the Specification(b) (4)%-(b) (4)% for individual results. You tested the sample using test procedure, STP No. TP/b) (4) (4) (4) (4) (4) (4) (4) (4) (5) (6) (7) (7) (9) (9) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1				

In the Phase I of the investigation, no assignable root cause was identified. In Phase IIA manufacturing investigation no assignable root cause was identified. In Phase IIB investigation, you followed your Protocol No. PPQP/PIT (b) (4)/2020/00, Dated 1/22/2022, page no. 39 of 96 and tested increased sample size 3x-5x. However, once again OOS result was reported for 2 units out of units (Sets 1, 2 and 3, Sample Size 3x-5x) sample (Set 2 Location(b) (4) result (b) (4)%, Set 3 Location(b) (4) result (b) (4)%, Stage (b) (4) After the two failing results, you created Addendum-1 to the protocol for process validation for (b) (4) Tablets mg (PPQP/PIT (b) (4)/2022/00) Dated 2/28/2022 and carried out the (b) (4) for increased sample size, 5x-7x and collected the samples from the In Process Bulk Container, IBC ID # 068 and not from the original (b) (4) ID # MFG-005 where the initial samples for (b) (4) test were collected.

Your investigation is deficient such that the 5x-7x samples are completely different (collected from IBC ID # 068 and not from (b) (4) MFG-005). In addition, the 5x-7x samples were collected on (b) (4) that was beyond the (b) (4) hold time for the (b) (4) Based on passing (b) (4) (b) (4) data recorded from a deficient/inconclusive hypothesis, you invalidated the initial OOS results and proceeded for compression stage.

#### **OBSERVATION 2**

Time limits are not established when appropriate for the completion of each production phase to assure the quality of the drug product.

SEE REVERSE OF THIS PAGE  Saleem A Akhtar, Investigator Rajiv R Srivastava, Office of Global Policy and Strategy Employee Wenzheng Zhang, Investigator  Wenzheng Zhang, Investigator  DATE ISSUED 6/23/2023  A Saleem A Akhtar Investigator  Mark Investigator  Mark Issued 6/23/2023
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FORM FDA 483 (09/08) PREVIOUS EDITION OBSOLETE INSPECTIONAL OBSERVATIONS PAGE 4 of 18 PAGES

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FOOD AND DRUG ADMINISTRAT		DATE(S) OF INSPECTION		
12420 Parklawn Drive, Room 2032 Rockville, MD 20857		6/15/2023-6/23/2023* FEI NUMBER		
ROCKVIIIe, MI	) 2085/		3007574780	
NAME AND TITLE OF INDIVIDUA			0	
Mr. Arindom S	Sen, Site Head, Senior Gen	I STREET ADDRESS	r Operations	
Ipca Laborato	ories Limited	1 Pharma	Zone, SEZ Ind	ore, Pithampur
CITY, STATE, ZIP CODE, COUN		TYPE ESTABLISHME		
Dhar, Madhya	Pradesh, 454775 India	Drug Man	ufacturer	
Specifically, The (b) (4) the hold time st  A. You carrie	data for the (b) (4) udies such that, ed out hold time study for (b) (4) Protocol No. HTS (b) (4)-001/00 (E)		•	validations as well as in  Tablets USP mg as
time for the According in-process 005. The late only 005 at the PPQP/PIT	as per the Rep to the hold time study protocol, bulk container, IBC-057 at the condition sample was analyzed for b) (4) data you collect completion of (b) (4) stage as per the Rep data you condition of the data you collect completion of (b) (4) stage as per the Rep data you collect completion of (b) (4) stage as per the Rep data you collect completion of (b) (4) stage as per the Rep	ort No. HTR(t) you collected ompletion of the appearance, is for the samper your process.	the samples for he (b) (4) proce (b) (4) proce (b) (4) proce (b) (4) proce (c) (c) (d) (d) ples collected from (c) (d) (d) (d)	cective date 8/31/2022).  cold time study from the ess on(b) (4) MFG- analysis, and assay.  m the(b) (4) MFG-
B. You carried out hold time study for (b) (4) for (b) (4) Tablets USP <sup>(b) (4)</sup> mg as per your Protocol No. HTS/CAB-001/00 (Effective date 10/5/2013) and established (b) (4) hold time for the (b) (4) as per the Report No. HTR/CAB-001/00 (Effective date 7/28/2015). According to the hold time study protocol, you collected the samples for hold time study from the in-process bulk containers, IBC-013 and IBC-061 at the completion of the (b) (4) process on ID-MFG-017. The hold time sample was analyzed for description, (b) (4) assay, and related compound. The only (b) (4) data you collect is for the samples collected from the (b) (4) ID-MFG017 at the completion of (b) (4) stage as per your process validation protocol, PVP/CAB-001/00 (Effective date 10/5/2013). The (b) (4) stored in the IBC-013 and IBC-061 is not analyzed for (b) (4) You use (b) (4)				
SEE REVERSE OF THIS PAGE	EMPLOYEE(S) SIGNATURE  Saleem A Akhtar, Investiga  Rajiv R Srivastava, Office  and Strategy Employee  Wenzheng Zhang, Investigat	e of Global	Policy Saleem A Investigate Squeed by X 15.50.53	DATE ISSUED 6/23/2023  Akhtar **200133840 et: 06-23-2023
FORM FDA 483 (09/08)	PREVIOUS EDITION OBSOLETE	INSPECTIONAL O	BSERVATIONS	PAGE 5 of 18 PAGES

	<b>DEPARTMENT OF HEAI</b> FOOD AND DRU	<b>LTH AND HUM.</b> JG ADMINISTRAT:		ES	
DISTRICT ADDRESS AND PHONE NUMBER 12420 Parklawn Drive, Room 2032			DATE(S) OF INSPECTION 6/15/2023-6/23/2023*		
Rockville, MD 20857			6/13/2023-6/23/2023^ FEI NUMBER		
			300757	4780	
NAME AND TITLE OF INDIVIDUA	AL TO WHOM REPORT ISSUED				
Mr. Arindom S	Sen, Site Head, Senior Gener	ral Manage	er Opera	tions	
FIRM NAME		STREET ADDRESS			
Ipca Laborato			arma Zone, SEZ Indore, Pithampur		
	Pradesh, 454775 India		Manufacturer		
C. You carried out hold time study for (b) (4) for (b) (4) Tablets USP  (b) (4) mg as per your Protocol No. HTS/CBD-001/00 (Effective date 2/6/2014) and established (b) (4) hold time for the (b) (4) as per the Report No. HTR/CDB-001/00 (Effective date 8/4/2015). According to the hold time study protocol, you collected the samples for hold time study from the in-process bulk container, IBC-062 at the completion of the (b) (4) process on (b) (4) ID # MFG-165. The hold time sample was analyzed for appearance, (b) (4) assay, and degradation products. The only (b) (4) data you collect is for the samples collected from the (b) (4) ID # MFG-165 at the completion of (b) (4) stage as per your process validation protocol, PVP/CDB-001/00 (Effective date 2/6/2014). The (b) (4) stored in the IBC-062 is not analyzed for (b) (4) You use(b) (4) stored in IBC-062 for tablet compression.  D. You carried out hold time study for (b) (4) for (b) (4) Tablets USP mg as per your Protocol No. HTS/EFH-001/00 (Effective date 11/16/2013) and established (b) (4) hold time for the (b) (4) as per the Report No. HTR/EFH-001/00 (Effective date 3/4/2015). According to the hold time study protocol, you collected the samples for hold time study from the in-process bulk containers, IBC-014 and IBC-046 at the completion of the (b) (4)					
process on (b) (4) ID # MFG-011. The hold time sample was analyzed for description, (b) (4) (b) (4) assay, and related substances. The only (b) (4) you collect is for the samples collected from the (b) (4) ID # MFG-011 at the completion of (b) (4) stage as per your process validation protocol, PVP/EFH-001/00 (Effective date 11/7/2013). The (b) (4) stored in the IBC-014 and IBC-046 is not analyzed for (b) (4) You use (b) (4) stored in IBC-014 and IBC-046 for tablet compression.					
SEE REVERSE OF THIS PAGE	EMPLOYEE(S) SIGNATURE Saleem A Akhtar, Investigat Rajiv R Srivastava, Office and Strategy Employee Wenzheng Zhang, Investigato	of Global	Policy	Saleem A Akhtar Investigator Signed By: 2001638440 Date Signed: 06-23-2023 15:50:34	DATE ISSUED 6/23/2023

FORM FDA 483 (09/08)

PREVIOUS EDITION OBSOLETE

DEPARTMENT OF HEALTH AND HUMAN SERVICES FOOD AND DRUG ADMINISTRATION				
DISTRICT ADDRESS AND PHONE NUMBER  12420 Parklawn Drive, Room 2032  Rockville, MD 20857	DATE(S) OF INSPECTION 6/15/2023-6/23/2023* FEI NUMBER 3007574780			
NAME AND TITLE OF INDIVIDUAL TO WHOM REPORT ISSUED				
	al Manager Operations			
Ipca Laboratories Limited	1 Pharma Zone, SEZ Indore, Pithampur			
CITY, STATE, ZIP CODE, COUNTRY	TYPE ESTABLISHMENT INSPECTED			
Your General Manager of Quality Assurance (Mr. RS) stated that the (b) (4) data recorded for the (b) (4) in the (b) (4) is extrapolated to the Hold time sample. Your hold time study data are inadequate for the (b) (4) of (b) (4) from the process validation to the (b) (4) stored in IBC bins that was/is actually used in the drug product manufacturing. Between 2020 and 2023, you have recorded at least twelve OOS results related to assay including (b) (4) assay, content uniformity, and dissolution. You have invalidated 10 of the aforementioned OOS results. Some of the drug products that are implicated with assay related OOS results, including but are not limited to; (b) (4) tablets (b) (4) tablets (b) (4) mg, (b) (4) tablets				
<b>OBSERVATION 3</b> The suitability of all testing methods is not verified	under actual conditions of use.			
Specifically,				
Your firm uses the UV method to quantitate the rele	ease of drug product in dissolution testing of (b) (4)			

Your firm uses the UV method to quantitate the release of drug product in dissolution testing of (b) (4) drug products.

However, the sample sequence described in your UV methods (one blank, one standard, one sample) for of the (b) (4) drug products did not establish the system suitability whenever the method was used for dissolution testing.

Your firm has been using the UV methods without system suitability established to test the dissolution of the (b) (4) drug products for batch release and stability study since eac (b) (4) was submitted to the Agency (refer to the table below).

	DATE ISSUED		
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OF THIS PAGE	Rajiv R Srivastava, Office of Global Policy and Strategy Employee Wenzheng Zhang, Investigator	Saleem A Akhtar Investigator Signed By: 2001638440 Date Signed: 06-23-2023 15:50-54	

FORM FDA 483 (09/08) PREVIOUS EDITION OBSOLETE INSPECTIONAL OBSERVATIONS PAGE 7 of 18 PAGES

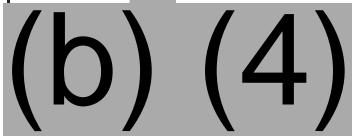
#### DEPARTMENT OF HEALTH AND HUMAN SERVICES FOOD AND DRUG ADMINISTRATION DISTRICT ADDRESS AND PHONE NUMBER 12420 Parklawn Drive, Room 2032 6/15/2023-6/23/2023\* FEI NUMBER Rockville, MD 20857 3007574780 NAME AND TITLE OF INDIVIDUAL TO WHOM REPORT ISSUED Mr. Arindom Sen, Site Head, Senior General Manager Operations STREET ADDRESS Ipca Laboratories Limited 1 Pharma Zone, SEZ Indore, Pithampur CITY, STATE, ZIP CODE, COUNTRY TYPE ESTABLISHMENT INSPECTED Dhar, Madhya Pradesh, 454775 India Drug Manufacturer

Without demonstrating system suitability, all the dissolution data analyzed by the UV method for the commercial and exhibit batches of your (b) (4) drug products are invalid, and data for the corresponding batches may not be reliable. Among the (b) (4) 1 has been commercialized, 1 was approved and (b) (4) are pending.

Table: System Suitability and Data Validity in UV Method for Dissolution Testing of (b) (4) **Products** 

#	(b) (4) Drug Products	(b) (4)	Approval/	Is System	Is
			Submission	Suitability	Dissolution
			Date	Established in	Data for
				UV Method	Commercial
				for	or Exhibit
				Dissolution	Batches
				Testing of	Valid or
				Drug	Invalid?
				Product?	
				(Yes/No)	
	· 1 1 (h) (1)				

Commercialized (b) (4)



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Saleem A Akhtar, Investigator OF THIS PAGE | Rajiv R Srivastava, Office of Global Policy and Strategy Employee Wenzheng Zhang, Investigator

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#### DEPARTMENT OF HEALTH AND HUMAN SERVICES FOOD AND DRUG ADMINISTRATION

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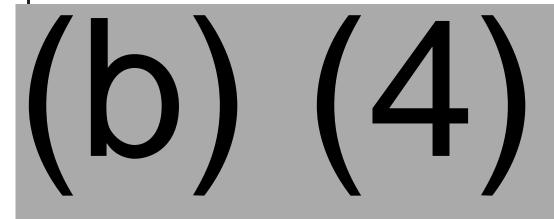
6/15/2023-6/23/2023\*

FEI NUMBER 3007574780

NAME AND TITLE OF INDIVIDUAL TO WHOM REPORT ISSUED

Mr. Arindom Sen, Site Head, Senior General Manager Operations

STREET ADDRESS 1 Pharma Zone, SEZ Indore, Pithampur Ipca Laboratories Limited CITY, STATE, ZIP CODE, COUNTRY TYPE ESTABLISHMENT INSPECTED Dhar, Madhya Pradesh, 454775 India Drug Manufacturer



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PAGE 9 of 18 PAGES INSPECTIONAL OBSERVATIONS FORM FDA 483 (09/08) PREVIOUS EDITION OBSOLETE

#### DEPARTMENT OF HEALTH AND HUMAN SERVICES

FOOD AND DRUG ADMINISTRATION

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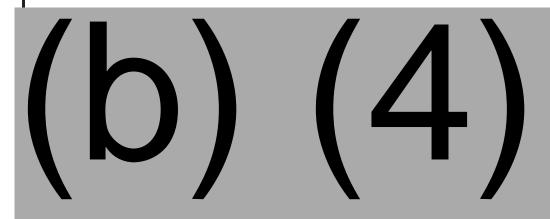
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STREET ADDRESS 1 Pharma Zone, SEZ Indore, Pithampur Ipca Laboratories Limited CITY, STATE, ZIP CODE, COUNTRY TYPE ESTABLISHMENT INSPECTED Dhar, Madhya Pradesh, 454775 India Drug Manufacturer



# **OBSERVATION 4**

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PAGE 10 of 18 PAGES INSPECTIONAL OBSERVATIONS FORM FDA 483 (09/08) PREVIOUS EDITION OBSOLETE

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Rockville, MD 20857	FEI NUMBER 3007574780			
NAME AND TITLE OF INDIVIDUAL TO WHOM REPORT ISSUED				
	al Manager Operations			
FIRM NAME	STREET ADDRESS			
Ipca Laboratories Limited	1 Pharma Zone, SEZ Indore, Pithampur			
CITY, STATE, ZIP CODE, COUNTRY	TYPE ESTABLISHMENT INSPECTED			
Dhar, Madhya Pradesh, 454775 India Drug Manufacturer				
Equipment and utensils are not cleaned and maintained at appropriate intervals to prevent contamination				

that would alter the safety, identity, strength, quality or purity of the drug product.

Specifically, major non-dedicated production equipment such as (b) (4) (equipment ID: MFG-159) and two (b) (4) (equipment ID: MFG-162 and MFG-163) used in (b) (4)

Area are not cleaned, and maintained at appropriate intervals to prevent contamination that would alter the safety, identity, strength, quality, or purity of the drug product. For example:

- A. On 6/19/2023, during the inspection of the (b) (4) (equipment ID: MFG-159) that was labeled "Clean", significant scratches were observed inside the (b) (4) (potential contact surface) and (b) (4) (potential contact surface inside the (b) (4) (b) (4). Scratches/dents were more apparent on the (b) (4) The equipment was Type-A cleaned (change over cleaning) and verified by Quality on 6/14/2023. DGM Production stated, in the past, the firm had been using (b) (4) to scrape the product inside the (b) (4) and to dismantle the (b) (4) for cleaning. As a result of the scratches the site stopped using (b) (4) in 04/2022. However, the firm continued using the impacted equipment and did not perform any risk assessment if specifically, this issue has impacted any marketed batches.
- B. After the(b) (4) process(b) (4) are(b) (4) using two (b) (4) equipment IDs: MFG-162 and MFG-163) in(b) (4) Area Deficiencies were observed with the "Clean" (b) (4) ID: MFG-162-T1 and MFG-163-T1 that are used with (b) (4) (b) (4) ID: MFG-162 and MFG-163 respectively. During the inspection, the (b) (4) (placed inside these (b) (4) to (b) (4) potential contact surface) appeared clogged at various locations with the unknown residue that appeared to be buildup. Type-A (change over) cleaning was performed and verified on both equipment on 6/14/2023.

and Strategy Employee Wenzheng Zhang, Investigator  Wenzheng Zhang, Investigator	SEE REVERSE OF THIS PAGE Saleem A Akhtar, Investigator Rajiv R Srivastava, Office of Global Policy and Strategy Employee Wenzheng Zhang, Investigator Wenzheng Zhang, Investigator	
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FORM FDA 483 (09/08) PREVIOUS EDITION OBSOLETE INSPECTIONAL OBSERVATIONS PAGE 11 of 18 PAGES

	DEPARTMENT OF HEAL FOOD AND DRU	<b>.TH AND HUM</b> G ADMINISTRATI		ES	
DISTRICT ADDRESS AND PHON	IE NUMBER		DATE(S) OF INS		
12420 Parklaw   Rockville, MI	vn Drive, Room 2032		6/15/20	023-6/23/2023*	
ROCKVIIIE, MI	20037		300757	4780	
NAME AND TITLE OF INDIVIDUA	TO MUCH PERCENT INCUES				
	Sen, Site Head, Senior Gener	al Manago	r Onorat	-ione	
FIRM NAME	gen, Site head, Senior Gener	STREET ADDRESS	ı opera		
Ipca Laborato	ories Limited	1 Pharma	Zone,	SEZ Indore, Pit	hampur
CITY, STATE, ZIP CODE, COUN		TYPE ESTABLISHME		,	
Dhar, Madhya	Pradesh, 454775 India	Drug Man	ufacture	er	
l a (b) (4) Table (b) (4) Tab  OBSERVATIO Laboratory cont	l are shared use equipment. This equipment is used to manufactured following drugs:  (b) (4) Tablets (b) (4) mg, (b) (4) mg), (b) (4) Tablets (b) (4) mg).  OBSERVATION 5  Laboratory controls do not include the establishment of scientifically sound and appropriate test procedures designed to assure that drug products conform to appropriate standards of identity, strength,				
On 6/19/2023, I (b) (4) autosampler. Bo RH) and were	ientifically sound, and appropriate h, quality, and purity of the drug pro- observed the dissolution test that value using Dissolution oth batches were stability batches st tested for dissolution at 24-mo	oducts man was perform n apparatu tored under onth stabilit	ufactured ned for (b) s (ID: c) long-term	at the site. For ex  (4) Tablets,  QCD-333) connects the stability conditional as per Test M	ample: (b) (4) mg batch ected with an ons (25 C, 60% Method STP #
	his test method requires, dissolutio	n test to ru	n for <b>(b)</b>	(4) using (b)	(4) at
the speed of (b)	<sup>(4)</sup> rpm. Batch <b>(b) (4)</b> did not <sub>j</sub>	pass the S-I	l dissolut	ion stage and was	s tested for S-2
	223. Following deficiencies were ob	served whe	en lab ana	lyst performed the	e test:
A. The diss media. I temperat	solution test did not start when the instead, the test was manually starture sensor read the temperature of the addition time of about (b) (	(b) (4) ted after al	tablets a	re immersed into (4)	the dissolution when range i.e., (b) (4)
	EMPLOYEE(S) SIGNATURE				DATE ISSUED
SEE REVERSE OF THIS PAGE	Saleem A Akhtar, Investigate Rajiv R Srivastava, Office of and Strategy Employee Wenzheng Zhang, Investigato	of Global	Policy	Saleem A Akhtar Investigator Signed By: 2001638440  Date Signed: 06-23-2023  15:50:54	6/23/2023

INSPECTIONAL OBSERVATIONS

FORM FDA 483 (09/08)

PREVIOUS EDITION OBSOLETE

PAGE 12 of 18 PAGES

	DEPARTMENT OF HEAL FOOD AND DRU	T <b>H AND HUM</b> G ADMINISTRAT		ES	
DISTRICT ADDRESS AND PHO	NE NUMBER Wn Drive, Room 2032		DATE(S) OF INS	SPECTION 023-6/23/2023*	
Rockville, M			FEI NUMBER		
			300757	4780	
NAME AND TITLE OF INDIVIDUA			1		
	Sen, Site Head, Senior Gener	al Manage		tions	
FIRM NAME  Inca Laborato	ories Limited			SEZ Indore, Pi	thampur
CITY, STATE, ZIP CODE, COUN		TYPE ESTABLISHM		022 1114010, 11	ciramput
Dhar, Madhya	Pradesh, 454775 India	Drug Man	nufactur	er	
B. After the completion of the (b) (4) test, the autosampler rinses the sampling tubes (used to draw sample from the dissolution vessel) in (b) (4) cycles (about mL/cycle) and then (b) (4) sample is pulled in (b) (4) cycles (about mL/cycle). This process takes little more than (b) (4) (about (b) (4) before the actual dissolution sample is pulled by the autosampler. During this time, the baskets containing the tablets do not stop; instead, they keep (b) (4) at the speed of (b) (4) rpm. It appeared the (b) (4) tablets were in direct contact with the dissolution media for about (b) (4) when the autosampler completed the sampling process.  C. Rinsing of the sample tubes is done as per Protocol 5, programmed in the dissolution apparatus. This protocol requires removal of about mL of sample from the dissolution vessel before actual dissolution sample has been drawn. At the end of the test, when rinsed solution from all dissolution vessels was measured it was about mL;					
	n equipment (ID: QCD-333) along				
the firm to per	form dissolution profile test for ab	out Iollowi	ing (b) ( <sup>2</sup>	products: (D) (	(4)
				T	ablets.
SEE REVERSE	EMPLOYEE(S) SIGNATURE   Saleem A Akhtar, Investigate	or		1	6/23/2023
OF THIS PAGE	Rajiv R Srivastava, Office		Policy	Saleem A Akhtar Investigator	
	and Strategy Employee	~		Investigator Signed By: 2001638440 Date Signed: 06-23-2023 15:50:54	_
	Wenzheng Zhang, Investigato	L			

INSPECTIONAL OBSERVATIONS

FORM FDA 483 (09/08)

PREVIOUS EDITION OBSOLETE

PAGE 13 of 18 PAGES

#### DEPARTMENT OF HEALTH AND HUMAN SERVICES FOOD AND DRUG ADMINISTRATION DISTRICT ADDRESS AND PHONE NUMBER 12420 Parklawn Drive, Room 2032 6/15/2023-6/23/2023\* Rockville, MD 20857 3007574780 NAME AND TITLE OF INDIVIDUAL TO WHOM REPORT ISSUED Mr. Arindom Sen, Site Head, Senior General Manager Operations STREET ADDRESS Ipca Laboratories Limited 1 Pharma Zone, SEZ Indore, Pithampur CITY, STATE, ZIP CODE, COUNTRY TYPE ESTABLISHMENT INSPECTED Dhar, Madhya Pradesh, 454775 India Drug Manufacturer

# **OBSERVATION 6**

The responsibilities and procedures applicable to the quality control unit are not fully followed.

Specifically, the quality unit failed to control the laboratory test methods created and then transferred in LES Development server as per SOP CSOP/2016/047, "Method Creation on Method Builder Software".

Computerized system LES (Laboratory Execution System) is used by the quality control laboratory for documentation and to perform analysis. LES has three servers: Development, Validation, and Production. Test methods are created as per SOP CSOP/2016/047, "Method Creation on Method Builder Software" and then moved in LES Development server. After verification, the test methods in Development server are transferred on Production server. CSOP/2016/047 requires all methods to be names with the product such as(b) (4) USP. However, it was observed numerous procedures (about more than 60) were not associated with any product. Instead, the procedure name was showing as "Trail, Test, 0, 123, \*, Test 123, Testing, TESTING" etc. Few examples are shown as below:

CATEGORY	PROCEDURE	PROCEDURE ID	VERSION	STATUS
	NAME			
Formulation	Testing	Trial_29	1.0	Current
Formulation	Testing	Trial_007	1.0	Draft
Formulation	TRIAL	XYZ	0.0	Current
Formulation	Testing	Final verification	0.0	Draft
Raw Material	Testing	Testing_Demo_02	1.0	Draft
Formulation	TRIAL	ABC_test	1.0	Current

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FORM FDA 483 (09/08) PREVIOUS EDITION OBSOLETE INSPECTIONAL OBSERVATIONS PAGE 14 of 18 PAGES

# **DEPARTMENT OF HEALTH AND HUMAN SERVICES**FOOD AND DRUG ADMINISTRATION

DISTRICT ADDRESS AND PHONE NUMBER

12420 Parklawn Drive, Room 2032 Rockville, MD 20857

6/15/2023-6/23/2023\*

FEI NUMBER

3007574780

NAME AND TITLE OF INDIVIDUAL TO WHOM REPORT ISSUED

Mr. Arindom Sen, Site Head, Senior General Manager Operations

FIRM NAME

Ipca Laboratories Limited

1 Pharma Zone, SEZ Indore, Pithampur

CITY, STATE, ZIP CODE, COUNTRY

Dhar, Madhya Pradesh, 454775 India

Drug Manufacturer

API	Testing	Testing123	1.0.0	Draft
Testing	Testing_123	Testing_123	1.0	Current
API	Testing	Test_API	1.0	Draft
Formulation	TEST	0		Draft
Formulation	test	testing_123	1.0.0	Draft
Formulation	Testing	Test_123	0.0	Draft
Finished	TEST	Demo_1	1.0.0	Draft
Goods				
Formulation	Test	ID For Testing	1.0.0	Superseded
Formulation	Test	ID For Testing	1.0.1	Draft
Formulation	Test	ID For Testing	1.0.2	Current
Formulation	Testing	PITH_TESTING	0.0	Draft
Testing	Testing	Demo Testing	1.0.0	Draft
Finished	Testing	(b) (4)	00	Draft
Goods		Testing		
FG	Test	Test_999	1.0	Draft

# **OBSERVATION 7**

Clothing of personnel engaged in the manufacturing, processing, packing and holding of drug products is not appropriate for the duties they perform.

Specifically, personal gowning used in the core manufacturing areas including dispensing and compression areas is not maintained clean to prevent contamination. On 6/15/2023, during the

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PAGE 15 of 18 PAGES

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DEPARTMENT OF HEALTH AND HUMAN SERVICES FOOD AND DRUG ADMINISTRATION			
DISTRICT ADDRESS AND PHONE NUMBER	DATE(S) OF INSPECTION		
12420 Parklawn Drive, Room 2032	6/15/2023-6/23/2023*		
Rockville, MD 20857	FEI NUMBER		
, , , , , , , , , , , , , , , , , , , ,	3007574780		
NAME AND TITLE OF INDIVIDUAL TO WHOM REPORT ISSUED			
Mr. Arindom Sen, Site Head, Senior Gener	al Manager Operations		
FIRM NAME	STREET ADDRESS		
Ipca Laboratories Limited	1 Pharma Zone, SEZ Indore, Pithampur		
CITY, STATE, ZIP CODE, COUNTRY	TYPE ESTABLISHMENT INSPECTED		
Dhar, Madhya Pradesh, 454775 India Drug Manufacturer			

inspection of Dispensing Room and Compression Are "Clean" personal gowning intended to be used in the respective area appeared worn out and torn (with holes measuring more than 2 inches). It appeared soiled with black, white, (b) (4) colored stains.

In the core manufacturing areas, additional arm sleeves are required as per Gowning SOP # PIT/MGG/002/19. During the inspection of Dispensing Area (b) (4) black, and (b) (4) colored stains were observed on the "Clean; intended to be used in the dispensing room" arm sleeves. One sleeve appeared to be torn. Additionally, bottom fabric of the "Clean" booties intended to be used in the dispensing area appeared worn out at numerous places exposing the underneath padding. On 6/15/2023, an operator wearing the gowning with excessive stains and marks was observed inside the Compression Area where (b) (4) is compressed into tablets. Your Laundry Procedure (# PIT/HRD/028/14) requires checking the gowning for any damaged and torn aprons, booties, and trousers before washing. As per this SOP such gowning should not be considered for next washing cycle. In this regard, you failed to follow your procedure to ensure clean gowning is used in the core manufacturing areas.

### **OBSERVATION 8**

Procedures describing the handling of all written and oral complaints regarding a drug product are not written and followed.

Specifically,

Your firm's Corporate Standard Operating Procedure for Handling of Product Complaint (CSOP Number: CSOP/2013/004/R09, Effective Date: June 02, 2022; CSOP/2013/004/R08, Effective Date: Feb 03, 2022; CSOP/2013/004/R07, Effective Date: Sept 16, 2020) requires that all CAPAs initiated in reference to product complaints shall be reviewed for effectiveness check; if the CAPA is found to be ineffective, a new CAPA shall be assigned by reinvestigating the complaint.

OF THIS PAGE Rajiv R Srivastava, Office of Global Policy and Strategy Employee		DATE ISSUED 6/23/2023
Wenzheng Zhang, Investigator	Investigator Signed By: 2001638440 Date Signed: 06-23-2023 15:50:54	

FORM FDA 483 (09/08) PREVIOUS EDITION OBSOLETE INSPECTIONAL OBSERVATIONS PAGE 16 of 18 PAGES

	TH AND HUMAN SERVICES G ADMINISTRATION	
DISTRICT ADDRESS AND PHONE NUMBER	DATE(S) OF INSPECTION	
12420 Parklawn Drive, Room 2032	6/15/2023-6/23/2023*	
Rockville, MD 20857	FEI NUMBER 3007574780	
NAME AND TITLE OF INDIVIDUAL TO WHOM REPORT ISSUED		
Mr. Arindom Sen, Site Head, Senior Gener	al Manager Operations	
FIRM NAME	STREET ADDRESS	
Ipca Laboratories Limited	1 Pharma Zone, SEZ Indore, Pithampur	
CITY, STATE, ZIP CODE, COUNTRY	TYPE ESTABLISHMENT INSPECTED	
Dhar, Madhya Pradesh, 454775 India	Drug Manufacturer	

Your firm received four complaints regarding the issue of no label on the bottle of (b) (4) Tablets mg from your (b) (4) client in 2021 (refer to the table below). Your firm classified the no-label complaints as major, conducted investigations, and implemented CAPA/Change Control (CAPA# 202191) in 06/2021. Your firm also performed a CAPA effectiveness check and closed the CAPA in 07/2021. However, the same no-label issue re-occurred for the same drug product four times in 2022 and twice to date in 2023 (refer to the table below), demonstrating your CAPA is not effective. Your firm did not assign a new CAPA to investigate the new complaints.

Table: No-Label Complaints from 2021 to 2023

Complaint #	Complaint	<b>Brief Complain</b>	(b) (4) mg	Expiration
	<b>Received Date</b>	Description	115	Date
			(b) (4)mg Batch#	
MKT/034/2021	06/04/2021	No Label	(b) (4)	02/2023
			mg)	
MKT/059/2021	09/08/2021	No Label	(b) (4)	10/2023
			mg)	
MKT/069/2021	11/10/2021	No Label (1	(b) (4)	10/2023
		bottle)	mg)	
MKT/073/2021	12/23/2021	No Label	(b) (4)	10/2023
			mg)	
MKT/009/2022	03/01/2022	No Label (2	Not Available	Not
		bottles)	$^{(b)}(4)$ mg)	Available

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FORM FDA 483 (09/08) PREVIOUS EDITION OBSOLETE INSPECTIONAL OBSERVATIONS PAGE 17 of 18 PAGES

#### DEPARTMENT OF HEALTH AND HUMAN SERVICES

FOOD AND DRUG ADMINISTRATION

DISTRICT ADDRESS AND PHONE NUMBER
12420 Parklawn Drive, Room 2032
Rockville, MD 20857

6/15/2023-6/23/2023\*

FEI NUMBER

3007574780

DATE(S) OF INSPECTION

NAME AND TITLE OF INDIVIDUAL TO WHOM REPORT ISSUED

Mr. Arindom Sen, Site Head, Senior General Manager Operations

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FIRM NAME	STREET ADDRESS				
Ipca Laboratories Limited	1 Pharma Zone, SEZ Indore, Pithampur				
CITY, STATE, ZIP CODE, COUNTRY	TYPE ESTABLISHMENT INSPECTED				
Dhar, Madhya Pradesh, 454775 India	Drug Manufacturer				

MKT/012/2022	03/28/2022	No Label	(b) (4) mg)	03/2024
252465	10/07/2022	Label is missing on the bottle	Not Available  (b) (4) mg)	Not Available
252504	10/07/2022	Label is missing on the bottle	Not Available (b) (4) mg)	Not Available
272501	03/31/2023	No label on the bottle	Not Available (b) (4) mg)	Not Available
276943	05/09/2023	Partial label is missing	(b) (4) mg)	01/2025

# \*DATES OF INSPECTION

6/15/2023(Thu), 6/16/2023(Fri), 6/19/2023(Mon), 6/20/2023(Tue), 6/21/2023(Wed), 6/22/2023(Thu), 6/23/2023(Fri)





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Wenzheng Zhang, Investigator

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PAGE 18 of 18 PAGES

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