DEPARTMENT OF HEALTH AND HUMAN SERVICES FOOD AND DRUG ADMINISTRATION								
DATE(S) OF INSPECTION								
10903 New Ham	Mampshire Ave, Bldg 51, Rm 4225 07/09/2015 - 0				²⁰¹⁵ - 07	/17/2015		
(301) 796-333	1) 706 2224 8				FEINUMBER			
	ndustry Information: www.fda.gov/oc/industry ME AND TITLE OF INDIVIDUAL TO WHOM REPORT ISSUED 3004819820							
TO: Alok Gho	sn, Presi	dent Tech	nical Oper	ations STREET ADDRES	e ,			
STREET ADDRESS								
	CITY, STATE, ZIP CODE, COUNTRY TYPE ESTABLISHMENT INSPECTED TYPE ESTABLISHMENT INSPECTED						ea	
Verna, Salcette, Goa 403 722, India drug product 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 INSPEC	TION OF YOU	P EIDM WE OB	SERVED.					
		IN FIRM WE OB	DERVED;					
LABORATORY C	ONTROL SY	STEM						
OBSERVATION A	ı							
Drug products failir	ng to meet est	ablished speci	fications and q	uality contro	ol criteria are no	t rejected.		
Specifically, the following batches generated OOS results and failed in-process (IP) specifications; however, the finished product batches were released by the quality control unit (QCU) and distributed without invalidating the IP OOS results, as listed below. Finished product batch (b) (4) was not distributed.								
Product	IP Batch#	IPC test	Batch Record	Released?	Packaging Batch Record	Released and Distributed?	Date of Release	Batch Size
(4)				Yes	(b) (4)	·	(b) (4)	(Tabs)
				1 65		Yes	(5) (1)	
				Yes		Yes		
				Yes		Yes		
						103		
				Yes		Yes / Yes		
				Yes		Yes / Yes		
				Yes		Yes/Yes		
				Yes		Same as		
				Yes		above		
				103		Yes/No		
Additionally ID (9)	(d) h = 4 = 1	(b) (4), c :		, (b)	(4) (b) (c	4) (b) (4)	(b) (4)	I
Additionally, IP (b) respectively, filed sp	oaten pecification (b)	(b) (4)' failed the	e average assay 6. This batch	/ value for	and	(b) (4) % an		
(b) (4). The QCU	J rejected bat	ch (b) (4) b	ecause it did no	of meet the f	inished product	make the fini	EDC DOAC	NO 771
is no mention in the	final batch d	isposition that	links the reject	ion of the fi	nal batch due to	an IP specific	ation failure	. i nere
		TORE					DATE IS:	
SEE REVERSE OF THIS PAGE	Luis A. Charanje	Dasta, Inv et Jassal,	estigator Investiga	tor /	All		07/1	7/2015
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DEPARTMENT OF HEALTH AND HUMAN SERVICES FOOD AND DRUG ADMINISTRATION					
10903 Nov. Hampehime Programme Distriction					
Silver Springs, MD 20993	/2015				
(301) 796-3334 Fax: (301) 847-8738 3004819820					
Industry Information: www.fda.gov/oc/industry					
TO: Alok Ghosh, President Technical Operations					
Lupin Limited 15-B, Phase 1A, Verna Industrial Area					
TYPE ESTABLISHMENT INSPECTED	al Area				
Verna, Salcette, Goa 403 722, India drug product manufacturer					
OBSERVATION 2					
Reserve samples from representative sample lots or batches of drug products selected by acceptable statistical not examined visually at least once a year for evidence of deterioration.	al procedures are				
Specifically, the QCU does not conduct visual examination of reserve samples of drug products on an annua	l basis for				
evidence of deterioration. SOP SAP-099-01, eff. date of 5 Aug 2013, Annexure V, (b) (4) tablets, states that	(b) (4)				
QUALITY SYSTEM					
OBSERVATION 3					
There is a failure to thoroughly ravious any unascalained discussion.					
There is a failure to thoroughly review any unexplained discrepancy and the failure of a batch or any of its comeet any of its specifications whether or not the batch has been already distributed.	omponents to				
•					
Specifically,					
a) Over 40 complaints (e.g. suspension (b) (4) related to different (b) (4)	nt batches the				
suspension (b) mg(b) mL & (b) mg (imL (e.g. batches) (b) (4) had been reported and investigated since product launch in(b) (4) However, the investigations were					
they did not include: However, the investigations were they did not include:	e not thorough as				
a thorough multi-attribute assessment of the product and impact on product quality as the product is routinely used by patients (e.g. (b) (4) assay, and dissolution each time that the bottle is					
open for dosing purposes and a dose is poured out of the bottle for the duration of the treatment, up					
 a thorough evaluation to determine whether the complaint samples, reportedly received with diluent quality control unit, were the result of mishandling of the product during shipping or the result of paissues; 	leaks by the ckaging quality				
3) thorough evaluation of the firm's identified most probable root cause (i.e., patients did not follow in					
(b) (4)). No investigational testing (e.g. assay from the t	on and hattam of				
the suspension, deliverable volume, dissolution) of each dose over a period equivalent to the duration	n of trontmont				
was conducted in order to demonstrate that the hypothesis has merit. In addition, the investigation of	lid not evaluate				
firm's identified most probable cause;	evaluate the				
4) an evaluation of an unexplained discrepancy (i.e., the relatively (b) (4)					
thus indicating a suitable suspension, vs. the observed phenomenon of samples of					
the complaint product ^{(b) (4)} into ^{(b) (4)} into ^{(b) (4)} and diluent within (b) (4)	; and				
SEE REVERSE Luis A. Dasta, Investigator	DATE ISSUED				
Charanicat Tarrel Tarrel	07/17/2015				
OF THIS PAGE Charanjeet Jassai, Investigator	07/17/2015				
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DEPARTMENT OF HEALTH AND HUMAN SERVICES FOOD AND DRUG ADMINISTRATION					
DATE(S) OF INSPECTION					
10903 New Hampshire Ave, Bldg 51, Rm 4225 Silver Springs, MD 20993				07/09/2015 - 07/17,	/2015
(301) 796-3334 Fax: (301) 847-8738				3004819820	
Industry Information: www.fda.gov/oc/industry					
TO: Alok Ghe	osh, Presid	ent Technical Oper			
Lupin Limited	1		STREET ADDRESS	13 17	
LUDIN Limited 15-B, Phase 1A, Verna Industri				TA, Verna Industria	al Area
Verna, Salcet	te, Goa 40	03 722, India	drug product	t manufacturer	
current sp patient us A number of product, the til	ecifications did e. batches were	not provide meaningful in manufactured and released afacturing the product but	formation/data abo		mplaints that the (b) (4) upon
investigation v Mar 2015, the the completion Additionally, y extensions price investigations	vas not complete QCU initiated a of the first exterior SOP CQA- or to completion.	ed by 28 Feb, and no further nother extension for the sansion and the initiation of 004-08, eff. date 24 Nov 2; however, there is no max a timely manner. The followed	er extension was making investigation to the second extension 014, section 5.9.3,	your SOP on handling OOS is noted investigation to 28 Fel ade on or before that specifies 15 Apr 2015. The gap/over on could not be explained by states that an OOS may be greeified in the SOP for the exigations were noted as having	ed date. On 7 rsight between the QCU iven up to
OOS Investig	gation No.	Date of Occurrence	Date of Closure		
OOS/C/15/G		Jan. 3 rd 2015	Still Open		
OOS/C/15/G		Jan. 31 st 2015	Still Open		
OOS/C/14/GA/IP/017		Feb. 6 th 2014	Nov. 29th 2014		
OOS/C/14/G	A/FP/032	March 6 th 2014	Nov. 14 th 2014		
FACILITIES AND EQUIPMENT SYSTEM OBSERVATION 4 Input to and output from the computer, related systems of formulas, and records or data are not checked for accuracy. Specifically, the SCADA software/hardware electronic system used to enter in-process checks (e.g. (b) (4) (b) (4) (b) (4) (b) (4) (b) (4) (c) (d) (d) (d) (d) (d) (d) (d) (d) (e) (d) (e) (d) (e) (d) (e) (d) (e) (d) (e) (e) (d) (e) (e) (e) (e) (e) (e) (e) (e) (e) (e					
EMPLOYEE(S) SIGNATURE					
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DEPARTMENT OF HEALTH AND HUMAN SERVICES FOOD AND DRUG ADMINISTRATION					
DISTRICT ADDRESS AND PHON	E NUMBER FOOD AND DRUG	JADMINISTRATION	DATE(S) OF INSPECTION		
10903 New Ham Silver Spring	mpshire Ave,Bldg 51,Rm 4225	07/09/2015 - 07/17/2015			
(301) 796-333	4 Fax: (301) 847-8738		3004819820		
Industry Info	rmation: www.fda.gov/oc/indus	stry			
TO: Alok Ghosh, President Technical Operations FIRM NAME I STREET ADDRESS					
Lupin Limited 15-B, Phase 1A, Verna Industrial Area CITY, STATE, ZIP CODE, COUNTRY TYPE ESTABLISHMENT INSPECTED					
Verna, Salcette, Goa 403 722, India drug product manufacturer					
OBSERVATION	5				
The separate or def	ined areas and control systems necessary to	prevent contamin	nation or mix-ups are deficien	ıt.	
Specifically, defined processing areas (e.g. (b) (4) compression, and capsule filling) and control systems (i.e., cleaning of the defined areas with and non-dedicated mops; mops are not replaced at suitable intervals; and cleaning frequency of defined processing areas and main floor corridors (b) (4) are deficient. The firm's yet the cleaning schedule of the processing areas and corridors (b) (4) areas no data/information to justify this type of cleaning frequency. In addition, there was no data/information to justify the use of non-dedicated mops, the frequency of mops replacement (e.g. and the use of (b) (4) to clean the aforementioned defined areas. In light of the noted deficiencies, the flow of materials and personnel through the building is not designed to prevent contamination as materials and personnel can enter/exit non-dedicated processing areas onto the non-dedicated corridors at all times without gowning changes or other control system to minimize cross-contamination. OBSERVATION 6 Written procedures are not followed for the cleaning and maintenance of equipment, including utensils, used in the					
manufacture, proce	ssing, packing or holding of a drug product	i	, 0,,		
Specifically, SOP SAP-064-08, eff. date 3 Mar 2015. Cleaning Validation and Verification of Equipment, states that manufacturing equipment shall be cleaning-verified However, your records for tablet compression equipment PR-TCM-011 indicate that this equipment was cleaning-verified on January 2014, December 2014 and April 2015.					
OBSERVATION	7				
Records are not key	ot for the cleaning and sanitizing of equipm	ent			
Specifically, records are not kept for the cleaning of non-dedicated of different products (e.g. (b) (4) Capsules, (b) (4) Capsules, (b) (4) Capsules, (b) (4) Capsules, (c) (d) Capsules, (d) Capsule					
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DEPARTMENT OF HEALTH AND HUMAN SERVICES					
DISTRICT ADDRESS AND PHONE NUMBER		INSPECTION			
10903 New Hampshire Ave, Bldg 51, Rm 4225 Silver Springs, MD 20993	07/09	9/2015 - 07/17/2015			
(301) 796-3334 Fax:(301) 847-8738	30048	319820			
Industry Information: www.fda.gov/oc/ind					
TO: Alok Ghosh, President Technical Ope	rations STREET ADDRESS				
Lupin Limited GITY, STATE, ZIP CODE, COUNTRY		Verna Industrial Area			
Verna, Salcette, Goa 403 722, India	drug product manu	ıfacturer			
PRODUCTION SYSTEM					
OBSERVATION 8					
Control procedures are not established which monitor the our processes that may be responsible for causing variability in the Specifically, no content uniformity is conducted to monitor the tablets or filling of capsules manufacturing processes of drug as follows:	he characteristics of in-proc he output and validate the n	ess material and the drug product.			
Product Strength (mg) Net weight of dose	age form (b) (4)				
(b) (4) (mg) (b) (4) (mg)	(b) (4)				
Capsules Capsules					
ablets					
In addition, the quality control unit conducts finished product content uniformity testing on dosage units regardless of the batch size. MATERIALS SYSTEM					
OBSERVATION 9					
Written procedures are not followed for the storage and hand					
Specifically, USP, batch ^(b) (4) total of (4) containers, was to be stored in (4) locations in the warehouse for raw materials as per SAP entries made by the warehouse staff. Location raw material were confirmed on a pallet. Location (b) (4) was supposed to have (4) containers of this raw material, but was supposed to have (4) containers of this raw material, but was supposed to have the remaining (4) containers of (b) (4) was supposed to have the remaining (4) that were supposed to be in location (b) (4) that					
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