DEPARTMENT OF HEALTH AND HUMAN SERVICES FOOD AND DRUG ADMINISTRATION DISTRICT OFFICE ADDRESS AND PHONE NUMBER DATE(S) OF INSPECTION United States Food and Drug Administration/ CDER- Office of Compliance HFD-325 December 7, 2015-December 15, 2015 10903 New Hampshire, W051, Room 4225 Silver Spring, MD 20993 Attn: Foreign Inspection Team FEI NUMBER Phone: (301) 847-8738 3002808500 Industry Information: www.fda.gov/oc/industry NAME AND TITLE OF INDIVIDUAL TO WHOM REPORT IS ISSUED TO: Udaykumar Rakibe, Senior Vice President Quality FIRM NAME STREET ADDRESS Wockhardt Limited Plot No 138, G.I.D.C. Industrial Estate CITY, STATE AND ZIP CODE TYPE OF ESTABLISHMENT INSPECTED District: Bharuch, Ankleshwar, Gujarat, 393002 India Active Pharmaceutical Ingredient Manufacturing Facility 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(II)(WE) OBSERVED: **OUALITY** Observation 1 Record entries documenting your operations shall be made contemporaneously and permanently in spaces provided for such entries, and should identify the person making the entry. Corrections to entries shall be dated and signed and leave the original entry still legible and preserved. Specifically, A) I did not observe Quality Unit oversight/approvals required for the destruction and incineration of documents. For example on December 7, 2015, the following records were discovered torn/shredded in the scrap yard area awaiting incineration: i. Raw Material label for (b) (4) dated October 30, 2015 gasket of (b) (4) ocated in (b) (4) ii. Maintenance Work Order Permit for repairing leakage from (b) (4) area dated November 2, 2015 iii. Engineering Contractor Hot Work Permit for dismantling and cutting unwanted line for reactors removed from production building(b) (4) area dated October 7, 2015 B) On December 7, 2015 during a walk-through of the Process Development Laboratory, an uncontrolled private/ personal diary was discovered containing experimental protocol laboratory data. The Process Development Laboratory is used to conduct experimental quality failure investigation sample preparations, route of synthesis, and scale-up process related laboratory testing. Entries in the uncontrolled private/personal diary included calculations, molecular weights and experimental details and data. LABORATORY Observation 2 Procedures designed to prevent microbiological contamination of drug products purporting to be sterile are not **EMPLOYEE(S) SIGNATURE** EMPLOYEE(S) NAME AND TITLE (Print or Type) DATE ISSUED REVERSE OF THIS 12/15/2015 Daniel J. Roberts, Investigator

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	Industry Information: www.fda.gov/oc/industry		3002808500			
	OF INDIVIDUAL TO WHOM REPO					
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Wockhardt Li	The state of the s		Plot No 138, G.I.D.C. Industrial Estate			
CITY, STATE AND		02002 1-1:-		TYPE OF ESTABLISHMENT INSPECTED Active Pharmaceutical Ingredient Manufacturing Facility		
District: Bhart	ich, Ankleshwar, Gujarat,	393002 India	Active Pharmaceutic	al Ingredient Manufactur	ing Facility	
	Media Fill "Report for					
(b) (4) , VP (p)	(4) APV/R-6 effective	October 15, 2015	explains that the medi-	a fill sterility testing t	for the Aseptic	
	rea was performed usi	-		sterile API container		
	he remaining(b) (4)		rile API filled containe	ers were sampled but	not tested for	
	were retained for failu					
B) You did r	not identify worst-case	locations on equip	oment and processing a	areas for microbial en	vironmental	
Sterile (b) (4)	icrobial contact plates USP ar	inside the sterile paid Sterile (b) (4)		armaceutical Ingredie		
(3) out of ter stitching threat 1 cm and 3 cm excess of 10 USP and Ste D) For the (b) environment		hich had been qual e hood, zipper and (3) sterile gowns hing block Active Pharmac nental monitoring,	pants on the gown. The ad shredded boot strap used for the manufact eutical Ingredients. I did not observe any faction area. Furthermo	ance in the sterile are the thread fiber length to ties with thread fiber uring of Sterile (b) (4) traceability when the (c) (b) (4)	ea had unraveled s were between er lengths in	
HIIC		created from	(b) (4)	micro	organisms were	
being stored	in the same bag togeth	er corresponding t	to the of use.			
for aseptic co inside the La unidirectiona	d operator intervention onnections of (b) (4) minar Air Flow LAF- d airflow smoke study (P(b) (4) /GRADE A Air	between the 0712. These operators simulation "Report	or interventions were or or for Unidirectional A	(b) (4) of (b) (4) bserved during review ir Flow Visualization	performed w of the	
	EMBLOVEE/ALAIAN TELEP		ENDI AVEE/ALLIANE AND TO	TE / Dani sa Tarah	DATE ICCUIED	
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United States 10903 New H Silver Spring,	Food and Drug Administration/ CDER-0 ampshire, W051, Room 4225 MD 20993 Attn: Foreign Inspection Tea		December 7, 2015-December 15, 2015		
Phone: (301)			3002808500		
Industry Information: www.fda.gov/oc/industry NAME AND TITLE OF INDIVIDUAL TO WHOM REPORT IS ISSUED		3002000300			
	nar Rakibe, Senior Vice President Quality	,			
FIRM NAME					
Wockhardt Lin			. Industrial Estate		
CITY, STATE AND	ZIP CODE	TYPE OF ESTABLISHMENT			
District: Bharu	ich, Ankleshwar, Gujarat, 393002 India	Active Pharmaceutics	al Ingredient Manufactur	ing Facility	
Specifically, A) Prior to J Chromatogra	ed systems shall have sufficient con uly 25, 2014, Quality Control Ana uph instrument ID QA/G07 used in finished APIs and Raw Materials.	lysts had the ability to delete		Gas	
i. On January tank FNR100	26, 2013, three (3) injections of I (b) (4) [03.D] and (b) (4) [03.D].	sponding to injection file E:\	JAN13G07\DATA\ ⁽⁾	and solvent 2601	
Gas Chroma 2013 at (b) (4)	tography Injection file E:\JAN13G and corresponds to Raw Mate	erial (b) (4) 2601 (b) (4) tanker truck Bat	01.D was performed tch (b) (4) wit	I on January 26, h a passing result	
2013 at ^{(b) (4)} purity of ^(b) (4	and corresponds to Raw Mate (Specification NLT(b) %)	solvent tank Ba	tch ⁽⁰⁾ (4) with	a failing result	
2013 at ^{(b) (4)} purity of ^{(b) (4} However, on	and corresponds to Raw Mate (Specification NLT(b) // (a) // (b) // (b) // (b) // (b) // (b) // (b) // (c) // (b) // (c) // (d) /	erial solvent tank Bar cially reported for Raw Mater	tch (b) (4) with	a passing result tank Batch	
from the ana	ysis.				
ii. On Januar	y 21, 2013 at(b) (4) a single in	jection of a sample labeled as	(D) (4)	(b) (4)	
Residual Solvent (b) (4) injection file: D:\JAN13G07\DATA\DEFAULTB.D was performed. (b) (4)					
	Residual Solvent (b) (4) s single injection performed on Jai	was previously analyzed a	nd released in Decer or ^(b) ⁽⁴⁾		
nowever, un				was	
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INSPECTIONAL OBSERVATIONS

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FORM FDA 483 (9/08) PREVIOUS EDITION OBSOLETE

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Industry Informa		//1		3002808500			
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		Vice President Quality					
FIRM NAME	r Rakioc, Schiol	vice rresident Quanty	STREET ADDRESS				
Wockhardt Lim	ited						
CITY, STATE AND ZI	ONE DOCK			Plot No 138, G.I.D.C. Industrial Estate TYPE OF ESTABLISHMENT INSPECTED			
		Gujarat, 393002 India		al Ingredient Manufacturi	na Facility		
District. Bharuc	ii, Alikiesiiwai,	Jujarat, 393002 mura	Active Pharmaceutic	ai ingredient Manufacturi	ng raciity		
not reported. On January 21 b) (4) On January 21 b) (4)	under injection, 2013 at(b) (4	on file: D:\JAN13G07\DA	patch (b) (4)	sample 1 for Ro 0004.D was performe sample 2 for Ro 0005.D was performe	ed and reported. esidual Solvent		
solvent (b) (4) b) (4) of these three explaining wh	samples wer 0805\ste (b) (4) injections (0) y the injection	3) injections of (b) (4) e performed corresponding	09; and _010. Howeve) were officially report m the analysis.	ATA\MAY_2014_G r, only two (_008.rst : ted without any docur	and _009.rst) out mentation		
iv. On May 7, sample set file (b) (4)	: C:\DATA\V	VOCKHARDT\MAY_201	13_G06\DATA\((b) (4)	njection was in C_0705 for sar responding document	mple name PD		
Development	Experimental	Protocol/Report describin					
complexity, ar qualifications	systems shall nd criticality of	be validated and the dept of the computerized applic nonstrate the suitability of	ation. In addition, app	ropriate installation a	nd operational		
Specifically,							
	n use for rout	omputerized system and it ine testing have not been volume Software Omnic 9.2.86 Newtronic IC DAS 1.2 TOC Control L 1.02	validated: Date of I June 18,	Installation in Laborat 2015 2015			
E	MPLOYEE(S) SIGN	ATURE	EMPLOYEE(S) NAME AND TIT	LE (Print or Type)	DATE ISSUED		
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TO: Udavkur	mar Rakibe, Senior V	ice President Quality			
FIRM NAME		and a second	STREET ADDRESS		
Wockhardt Li	mited		Plot No 138, G.I.D.C. Industrial Estate		
CITY, STATE AND			TYPE OF ESTABLISHMENT INSPECTED		
	uch, Ankleshwar, Gu	iarat, 393002 India		al Ingredient Manufactu	ring Facility
		Haras Sale Haras N	W 8//5	Chefford Nation	
LBPC		Pharm Spec Ver. 3	June 25, 3		
Polarimeter		Spectra Manager 2.10.01			
Perkin UV		UV Win LabES 6.0.4	July 21, 2		
TOC-V		TOC-V 2.10	July 27, 2		
FTIR		Omnic 9.3.32	August 4, 2015		
Perkin UV		UV Win Lab ES 6.0.4	July 23, 2		
FTIR		Shimadzu IR Solution 1.3	3000 Garage and 2000		
Malvern		Malvern Master Sizer5.61	5		
TLC		WinCats 1.4.9.2001	September	10, 2015	
units and rev Specifically, A) On Octol	viewed and approvents, ber 14, 2015, a ch	hanges shall be drafted, re wed by the quality unit. ange in quality testing lab		nd a change control	was not initiated
and reviewe and (b) (4)	d by the quality u	nit. On this date (b) (4) different contract testing		JSP Finished API	batches (b) (4)
		raction (XRD) (MOA-300		1	Ü
instrument s	oftware was remo	rganic Carbon (TOC) instruction of the laboratory a	nd a new hard drive	and instrument soft	ware version was
	5	puter system hard drive a			_
		ith changing non-chromat		and the contract of the contra	
	에게 맛있다면 생기	does not discuss the qualit			
change.		1	, ,		
	EMPLOYEE(S) SIGNATI	URE E	EMPLOYEE(S) NAME AND TIT	LE (Print or Type)	DATE ISSUED
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DEPARTMENT OF HEALTH AND HUMAN SERVICES FOOD AND DRUG ADMINISTRATION DISTRICT OFFICE ADDRESS AND PHONE NUMBER DATE(S) OF INSPECTION United States Food and Drug Administration/ CDER- Office of Compliance HFD-325 December 7, 2015-December 15, 2015 10903 New Hampshire, W051, Room 4225 Silver Spring, MD 20993 Attn: Foreign Inspection Team FEI NUMBER Phone: (301) 847-8738 3002808500 Industry Information: www.fda.gov/oc/industry NAME AND TITLE OF INDIVIDUAL TO WHOM REPORT IS ISSUED TO: Udaykumar Rakibe, Senior Vice President Quality FIRM NAME STREET ADDRESS Wockhardt Limited Plot No 138, G.I.D.C. Industrial Estate CITY, STATE AND ZIP CODE TYPE OF ESTABLISHMENT INSPECTED District: Bharuch, Ankleshwar, Gujarat, 393002 India Active Pharmaceutical Ingredient Manufacturing Facility Observation 6 Deviations from approved standards of calibration on critical instruments shall be investigated to determine if these could have had an effect on the quality of the intermediate(s) or API(s) tested since the last successful calibration. Specifically, On January 10, 2015, the Total Organic Carbon Analyzer instrument QAI/T03 that was used to test (b) (4) Water samples failed Calibration acceptance criteria for Standard Deviation value of (b) (4) the previous passing calibration. Observation 7 Analytical methods shall be validated to include consideration of the characteristics included in the validation of analytical methods. The degree of analytical validation performed shall also reflect the purpose of the analysis and the stage of the API production process. Specifically, On December 8, 2015. (b) (4) USP Finished Active Pharmaceutical Ingredient in-house developed test method Polymorphism by X-Ray Diffraction (XRD) (MOA-300937-02-2) that is used for the identification of the finished API had not been validated. FACILITIES AND EQUIPMENT Observation 8 Buildings and facilities used in the manufacture of intermediates and APIs should be constructed to facilitate EMPLOYEE(S) SIGNATURE DATE ISSUED EMPLOYEE(S) NAME AND TITLE (Print or Type) REVERSE OF THIS 000 Daniel J. Roberts, Investigator 12/15/2015

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CITY, STATE AND ZIP CODE	TYPE OF ESTABLISHMEN	T INSPECTED	INSPECTED	
District: Bharuch, Ankleshwar, Gujarat, 393002 India	Active Pharmaceutic	al Ingredient Manufactur	ing Facility	
possible contamination from equipment. Specifically, A) On December 9, 2015, during a walk-through of API manufacturing facility	f the Production Block (b)	(4) finished dosage	on the (b) (4) for	
as well as the centing and overnea		d directly above the	(b) (4) covers nd (b) (4)	
that are opened for (b) (4) of materials into (b) (4) Stage manufacturing process for (b) (4)	the (b) (4) used during API.	the Stage a	nd	
onto the floor from the (b) (4) is used in the manufacture of (b) different finished A	ved incoming treated wa	ide the (b) (4) Wate	top gasket and er Unit (b)WU-(b	
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