	OF HEALTH AND HUMAN SERVICES AND DRUG ADMINISTRATION	5	Es.
DISTRICT OFFICE ADDRESS AND PHONE NUMBER		DATE(S) OF INSPECTION	
Food and Drug Administration 12420 Parklawn Drive		December 4-8 and 11-	12, 2023
Room 2032		FEI NUMBER	
Rockville, MD 20857 Industry Information: www.fda.gov/oc/industry		3011524794	
NAME AND TITLE OF INDIVIDUAL TO WHOM REPORT IS ISSUED	17 SEC 14 SEC 20	200	
TO: V.N Prasad Patibandla, General Manager Manufactu	ring		
FIRM NAME	STREET ADDRESS	STREET ADDRESS	
Laurus Synthesis Private Limited		Plot No. 74B, Jawaharlal, Nehru Pharma City Parawada	
CITY, STATE AND ZIP CODE		TYPE OF ESTABLISHMENT INSPECTED	
Anakapalli, Andhra Pradesh, 531021, India	API Intermediate Manu	ıfacturer	
THIS DOCUMENT LISTS OBSERVATIONS MADE BY THE FDA REPR OBSERVATIONS; AND DO NOT REPRESENT A FINAL AGENCY DETER OBSERVATION, OR HAVE IMPLEMENTED, OR PLAN TO IMPLEMEN OBJECTION OR ACTION WITH THE FDA REPRESENTATIVE(S) DURIN YOU HAVE ANY QUESTIONS, PLEASE CONTACT FDA AT THE PHONE DURING AN INSPECTION OF YOUR FIRM (I) (WE) OBSERVED:	RMINATION REGARDING YOUR COMPLIANT CORRECTIVE ACTION IN RESPONSING THE INSPECTION OR SUBMIT THIS II	NCE. IF YOU HAVE AN OBJETO AN OBSERVATION, Y	ECTION REGARDING AN OU MAY DISCUSS THE
OBSERVATION #1			
Investigation of unexpected occurrences are not a	adequately conducted.		
Specifically,			
1) Deviation investigations DEV-SV1-22-0002, I	vere initiated with three devi-	ations being deficient LSV1/MFG/019/21	nt. For example:
The damage was not present during preventive manufactured since the last Preventive Main (b) (4) and batch (b) (4) The investigation of product (b) (4) manufactured a particles by filtration. The complete bulk lot was rationale for taking (b) (4) and complete bulk lot was rationale for taking (b) (4) is used in the manufacture of A	as initiated on January 10, 20 as observed during batch-to-baintenance done on Novembrutenance, including batche es of (b) (4) ation did not include screening after product changeover we not visually inspected for particle batch for screening for API (b) (4)	one 21, 2021. A total s of (b) (4) and al (b) (4) and al (b) (4) batches for (b) (a) re sampled and insperticles and there wa (b) (4) particles. The	nuary 10, 2022. of particles. ected for (b) (4) s no scientific key starting d Global markets.
3) Deviation investigation DEV-SV1-23-0002 was b) (4) on the (b) (4) 221. The da January 07, 2023. The damage was not identified	amage was observed during I	Preventive Maintena	nce done on
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CITY, STATE AND ZIP CODE	TYPE OF ESTABLISHMENT I		
Anakapalli, Andhra Pradesh, 531021, India	API Intermediate Man		
during prior Preventive Maintenance on October 07, 2022. A total of (b) (4) were manufactured since the last passing Preventive Maintenance on October 07, 2022 and were likely impacted. The investigation stated that there was no impact on the executed batches (b) (4) as they met specification and were consumed in the subsequent stage (b) (4) The investigation did not include screening of any of these batches for (b) (4) particles. These batches were further processed and dispatched. The customer (b) (4) was not informed about the deviation. 4) Deviation investigation for damaged (b) (4) ncluding DN/LSV1/MFG/019/21 (for (b) (4) 05) and DEV-SV1-23-0002 (for (b) (4)221) were inadequate in tracking (b) (4) particle contaminants. It was stated that there was no impact to products manufactured due to downstream filtration steps that could remove (b) (4) particles. However, the capability of the filtration steps to remove (b) (4) particles was not scientifically justified, proven, or documented within the investigation report. B. Non-Conformance Investigation NCM/LSV1/003/22 was initiated for non-conforming assay and purity results by HPLC during (b) (4) nold-time study of key starting material (b) (4) One out of (b) (4) batches on hold			
time study (2 of samples) analyzed failed for assay and impurities. The investigation concluded that it was an isolated case and no further actions were documented. C. OOS investigation OOS/LSV1/001/22 identified improper in-process sampling as suspected cause for impurity by HPLC for key starting material (b) (4) The investigation infers that the operator collected samples only from the (b) (4) In process material and therefore the assay passed during in-process testing and failed for impurity during finished testing. However, procedure MFG/027, "In-process sampling", does not specify the correct sampling procedure to account for (b) (4) In addition, the (b) (4) In process material within the (b) (4) In process materials. In material within the (b) (4) In process materials within the (b) (4) In process material within the (b) (4) In process was passed during in process was passed during in process was passed within the (b) (
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CITY, STATE AND ZIP CODE	TYPE OF ESTABLISHMENT INSPECTED	300,000,000,000	
Anakapalli, Andhra Pradesh, 531021, India	API Intermediate Manufacturer		
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OBSERVATION #2			
Sampling plans for intermediates are inadequate.			
Sampang Prant to anterna are armedante.			
Specifically,			
The current sampling plan for the intermediate (b) (4	fails to ensure that a representative sar	nple is obtained for	
assay and impurities. (b) (4) is (b) (4)	which is then(t		
	a(b) (4) sample is taken from each dr		
intermediate and analyzed for loss on drying, assay, ar	nd impurities. Although(b) (4) validation	b) (4) LSV1/	
(b) (4) has been performed to assess the uniform		(4) the critical	
quality attributes of assay and impurities were not asse			
also uniformly distributed within the material and ther		1.00	
	•		
OBSERVATION #3			
Equipment is not maintained, cleaned, and stored in a	manner to prevent contamination.		
Specifically,			
During the walkthrough of (b) (4) on December 04-05, 2023, the following were observed related to the			
equipment used in the manufacturing of API intermediate(b) (4)			
A. The interior of (b) (4) 104 and (b) (4) 109, which are used during the manufacture of			
(b) (4) had apparent rust on the (b) (4) Furthermore (b) (4)			
(b) (4) 116, which is also used in the manufacturing of (b) (4) had apparent product residue remaining in the			
(b) (4) even though the (b) (4) was identified as cleaned.			
B(b) (4) 201 used in the (b) (4) had apparent white residue contained on and around the			
	tion, outside light was observed from the		
(b) (4) oom where product is final packaged through ga	aps surrounding the $(b)(4)$	hermore, the (b) (4)	
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covering the (b) (4) nad apparent dirt and dark residue embedded on the (b) (4) (b) (4) This (b) (4) was stated to have been inspected as clean on December 02, 2023 during the (b) (4) preventive maintenance. C. Product contact transfer hoses used to transfer (b) (4) during production and non-product contact transfer hoses are stored in the accessory room on a shelf with the hose ends covered with bags. These hoses were not stored in a way to ensure that any residual solvent or moisture after use and cleaning does not remain within the hoses. In addition, debris were found in at least two of the hoses that were identified as clean in the area. Furthermore, these hoses do not have an associated equipment ID nor did all hoses have an associated cleaning tag attached.			
DBSERVATION #4 Batch production records do not contain complete information related to the production and control of the batch. Specifically, A. Portable gauges, such as the (b) (4) used to (b) (4) process water, and product and non-product contact transfer hoses are not identified or recorded within the batch production record for traceability and to ensure they are adequate for use. B. The use of process water in the manufacture of (b) (4) is not adequately documented, including the required performance of the sample port and transfer hose (b) (4) prior to use according to procedure MFG/024(b) (4) of Materials into (b) (4) C. (b) (4) pressure is applied and maintained up to (b) (4) uring the (b) (4) The pressure reading during these steps is not recorded even though your manufacturing personnel stated that the gauge has a numeric reading.			
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Anakapalli, Andhra Pradesh, 531021, India	API Intermediate Man	ufacturer	
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OBSERVATION #5			
The issuance of documents is not adequately controlled	ed.		
Specifically,			
Batch product record annexure pages that contain batch-related information and data are not adequately issued and controlled. For example, during the manufacture of (b) (4) patches (b) (4) (b) (4) five, six, and five annexure pages, respectively, were used in the manufacture to document weights obtained during (b) (4) These pages are printed by production personnel as outlined in procedure QA/086, "Procedure for Operation of Document Management System (DMS) Software", and can be used for any purpose as part of the execution of the batch record. These pages are not issued, controlled, or reconciled in a way to ensure that the data and records are complete and that all pages printed are accounted for as part of batch record execution and documentation.			
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