## **DEPARTMENT OF HEALTH AND HUMAN SERVICES** FOOD AND DRUG ADMINISTRATION DISTRICT ADDRESS AND PHONE NUMBER DATE(S) OF INSPECTION US FDA 05/15-19/2017 10903 New Hampshire Ave, Bldg 51,Rm 422 FEI NUMBER Silver Springs, MD 20993 (301)796-3334 Fax:(301)847-8738 3003885745 Industry Information: www.fda.gov/oc/industry NAME AND TITLE OF INDIVIDUAL TO WHOM REPORT ISSUED TO: Mr. Jun Du, Executive Vice President FIRM NAME STREET ADDRESS Zhejiang Huahai Pharmaceutical Co., Ltd. Coastal Industrial Zone, Chuannan No. 1 Branch CITY, STATE, ZIP CODE, COUNTRY TYPE ESTABLISHMENT INSPECTED Duqiao, Linhai Zhejiang 317016 China API 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 I/WE OBSERVED: OBSERVATION 1 Appropriate controls are not implemented over Quality Control instruments to ensure the integrity of analytical testing. Furthermore, anomalies in analytical testing are not investigated. 1. During a review of API testing assay testing is repeated in order to obtain satisfactory/ within specification results: Standard Operating Procedure (SOP) QC-024-5 requires that replicate samples subject to analysis for assay to exhibit no more than 4 difference in result. This SOP was utilized to engage in repeat analysis of API in instances of out-ofspecification and out-of-trend results without a corresponding investigation. Examples may be found below: batch(b)(4) exhibited a large differential between replicate sample results, such that one injection (a) yielded an out-of-specification. The initial failing injections were not processed. Due to this large differential, this batch of was retested without conducting an investigation and passing results were reported (b) (b) (4) batch (b) (4) exhibited failing assay result for one of the replicate injections (b) (4) & against a specification of (4) 6). Due to a large differential in test results between replicate injections for this batch was retested without conducting an investigation and passing results were reported. (c) The following batches exhibited out-of-trend results, which were retested without an investigation due to a greater than (b) 6 differential in replicate assay injections: EMPLOYEE(S) SIGNATURE DATE ISSUED

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Silver Springs, MI (301)796-3334 Fax	2 20993 x:(301)847-8738	TEI NUMBER 3003885745				
	on: www.fda.gov/oc/industry					
The state of the s	, Executive Vice President					
		Coastal Industrial Zone, Chuannan No. 1 Branch				
CITY, STATE, ZIP CODE, COUNTRY Duqiao, Linhai Zhejiang 317016 China		TYPE ESTABLISHMENT INSPECTED  API Manufacturer				
i. ii. batch iii. batch						
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US FDA 10903 New Hampshire Ave, Bldg 51,Rm 422 Silver Springs. MD 20993 (301)796-3334 Fax:(301)847-8738 Industry Information: www.fda.gov/oc/industry		DATE(S) OF 16 SPECTION 05/15-19/2017			
NAME AND TITLE OF IND	VIDUAL TO WHOM REPORT ISSUED				
10: Mr. Jun Du	, Executive Vice President				
		Coastal Industrial Zone, Chuannan No	Coastal Industrial Zone, Chuannan No. 1 Branch		
		TYPE ESTABLISHMENT INSPECTED API Manufacturer	The first of the first of the control of the first of the		
nent, coa	lescing peak with that of the prin	patches mary (b) (4) peak. Nevertheless, the s desired API and no investigation was initiated.	/ielded a promi- impurity was quantitated		
OBSERVATION Facilities and equ		ensure quality attributes of drug product.			
ket to the threads w	(b) (4) (b) (4) (rere visible(b) (4) (had deteriorated such that the folial not be accounted for. Furthwas discolor	The gasket inside the (b) (4) paint on the manufacture of the manufact	et was fraying, and loose The mass balance of this portion of the interior of		
b) On May	15, 2017, the <sup>(b) (4)</sup> to <sup>(b) (4)</sup>	J09-805 contained screws displaying the (b) (4)  This (b) (4) was utilized in the manufact. This equipment was in the clean status and is used to the clean status.	facture of (b) (4)		
gasket to ing from rated suc counted to discolore	the (b) (4) the (b) (4) upon opening the (b) The gaske th that the missing portions could for. Further, this gasket was dis	Further, this gasket was fraying, and loose it inside the the thin	atter and paint were fall- threads were visible (b) had deterio-		
d) On May The gask	15, 2017, (b) (4) IX- et inside the (b) (4)	-501-1 exhibited what appeared to be flaking of th	e surface to the (b) (4) such that portions of the		
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Zhejiang Huahai Pharmaceutical Co., Ltd.		STREET ADDRESS  Coastal Industrial Zone, Chuannan No. 1 Branch				
CITY, STATE, ZIP CODE, COUNTRY Duqiao, Linhai Zhejiang 317016 China		TYPE ESTABLISHMENT INSPECTED  API Manufacturer				
for. This (b) (4) was utilized in the manufacture of (b) (4) lot (b) (4) intended for the US market. This equipment was in the clean status.  e) On May 15, 2017, the (b) (4) W02-802-2 exhibited white particulate facing the interior of the (b) (4) that appeared to originate from the gasket to the (b) (4) appeared heavily scratched. This (b) (4) was utilized in the manufacture (b) (4) lot (intended for the US market. This equipment was in the clean status and is used in the (b) (4)  f) On May 16, 2017, (b) (4) III-319 exhibited what appeared to white particulate matter in the interior of the (b) (4) had deteriorated such that portions of the gasket were missing and threads of the gasket were fraving. The mass balance of this gasket could not be accounted for. This (b) (4) was utilized in the manufacture of (b) (4) lot (b) (4) intended for the US market. This equipment was in the clean status.						
<ul> <li>i. CC-16006</li> <li>ii. CD-15002</li> <li>iii. CD-15000</li> <li>iv. CD-15000</li> <li>v. CD-1500</li> <li>product is</li> </ul>		low rust" in(b) (4) batch(b) (4) " in(b) (4) " in(b) (4) batch(b) (4)	batch(b) (4)	". The affected		
OBSERVATION		salantifia instification				
a) Report Oo peak is ap from time	t-of-specification results lacks adequate OS-CQC15067relating to (b) (4) speared under unknown reason". Your fire to time in chromatograms for undetermition, an attribution of "Lab error was made.	batch <sup>(b) (4)</sup> m explained this unknowned reasons. Without	was reported "U own peak as a "ghost p	eak" that appear		
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## DEPARTMENT OF HEALTH AND NUMBER SERVICES FOOD AND DRUG ADMINISTRATION DISTRICT ADDRESS AS DI HOUE NUMBER DATE(5) OF INSPECTION 05/15-19/2017 **US FDA** 10903 New Hampshire Ave, Bldg 51,Rm 422 FEI NUMBER Silver Springs, MID 20993 (301)796-3334 Fax:(301)847-8738 3003885745 Industry Information: www.fda.gov/oc/industry NAME AND TITLE OF INDIVIDUAL TO WHOM REPORT ISSUED TO: Mr. Jun Du, Executive Vice President FIRM NAME STREET ADDRESS Zhejiang Huahai Pharmaceutical Co., Ltd. Coastal Industrial Zone, Chuannan No. 1 Branch CITY, STATE, ZIP CODE, COUNTRY TYPE ESTABLISHMENT INSPECTED Duqiao, Linhai Zhejiang 317016 China API Manufacturer b) Report OOS-CQC16103 reported out-of-specification of residual solvents in (b) (4) The Phase I laboratory investigation failed to identify a laboratory error. This investigation attributed the failure to "Pollution" from the environment during sample preparation. c) Report OOS-COC15103 due to a single impurity in batch batch batch against a specification of no more than 6). This was assigned as a "Lab error" due to "possible" residue in the column. When inquiring

about why this impurity specifically eluted in the (4) analytical test of the testing sequence, your firm again refer-

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enced a "ghost peak".

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