

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

DISTRICT OFFICE ADDRESS AND PHONE NUMBER 10903 New Hampshire Avenue, Bldg. 51 Room 4225 Silver Springs, Maryland 20993 (301) 796-3334 Fax (301) 847-8738 Industry Information: www.fda.gov/oc/industry	DATE(S) OF INSPECTION 3/2, 3, 6, 7, 8, 9, 10/2017 FEI NUMBER 3006370533
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NAME AND TITLE OF INDIVIDUAL TO WHOM REPORT IS ISSUED
TO: Bhopinder Singh Grover, Vice President-Quality

FIRM NAME Alkem Laboratories Limited	STREET ADDRESS Village- Thana, Nalagarh,
CITY, STATE AND ZIP CODE Baddi, Solan Himachal Pradesh 173205 India (IND)	TYPE OF ESTABLISHMENT INSPECTED 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 (I) (WE) OBSERVED:

OBSERVATION 1

The written testing stability program is not followed.

The required stability testing on numerous drug products (over approximately 1,000 individual samples) was not completed within the time frames established in procedure Stability Management QC/063/07, current at the time the samples were due for testing.

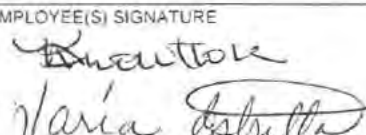
Deviation B/DQ/15/014 was opened November 13, 2015 and CAPA B/CAPA/15/122 was opened December 15, 2015 to address missing the analysis time frames. Over two hundred and fifty samples were identified beyond their required analysis time frames. A target date of December 31, 2015 was set to complete the analysis on these samples. There is no documentation to show this target date was met.

Deviation B/DQ/15/015 was opened December 18, 2015 to address the increase of stability samples outside their required analysis time frames. Over five hundred samples were identified beyond their required analysis time frame and a target date of February 25, 2016 was set to complete these samples. There is no documentation to show this target date was met.

OBSERVATION 2

Master production and control records lack complete manufacturing and control instructions and special notations.

A. Procedure QC/082, Operation, Cleaning and Calibration of (b) (4) (Revision 07), does not contain instructions for the use of (b) (4) to complete the validated load pattern in the (b) (4) (G/QC/099). Firm management stated (b) (4) is used to fulfill media loads to be sterilized; however, this is not fully

SEE REVERSE OF THIS PAGE	EMPLOYEE(S) SIGNATURE 	EMPLOYEE(S) NAME AND TITLE (Print or Type) Nicole E. Knowlton, Investigator Maria E. Estralla, Investigator	DATE ISSUED 3/10/2017
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TO: Bhapinder Singh Grover, Vice President-Quality

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documented.

B. Performance Qualification PQ_WIHC_01 Revision 1 covering (b)(4) Humidity Chambers G/QC/465 and G/QC/370 does not contain detailed information regarding the load. Firm management confirmed all of the chambers were qualified the same way.

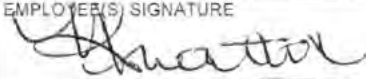
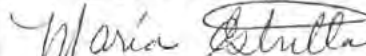
For example, Chamber G/QC/465 was qualified for the 40±2°C/75 RH ±5% setting and is intended for stability management of US product, including but not limited to, (b)(4) Tabs (b)(4) mg (b)(4) (b)(4) ng Tablets (b)(4) and (b)(4) Tablets (b)(4) ng (b)(4).

Chamber G/QC/370 was qualified for the 25±2°C/60 RH ±5% setting and is intended for stability management of US product, including but not limited to, (b)(4) Tablets (b)(4) ng (b)(4) (b)(4) Tablets (b)(4) ng (b)(4), and (b)(4) Capsules USP (b)(4) ng (b)(4) (b)(4).

OBSERVATION 3

There are no written procedures for production and process controls designed to assure that the drug products have the identity, strength, quality, and purity they purport or are represented to possess.

Specifically, the 100% visual inspection of filled capsules conducted in Block (b)(4) prior to packaging, is performed manually on a (b)(4). There is no written procedure describing this process, training specific to this manual operation, lighting requirements, capsule rotation, and control of the volume of capsules on the (b)(4). Manual inspection was observed on March 2, 2017 for (b)(4) Capsules USP, (b)(4) Lot (b)(4).

SEE REVERSE OF THIS PAGE	EMPLOYER(S) SIGNATURE  	EMPLOYEE(S) NAME AND TITLE (Print or Type) Nicole E. Knowlton, Investigator Maria E. Estrella, Investigator	DATE ISSUED 3/10/2017
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