

HLL BIOTECH LIMITED, CHENNAI

INTEGRATED VACCINES COMPLEX, CHENGALPATTU

nne pharmaplan

User Requirement Specifications

Equipment/System

Manual Optical Inspection Table

Identification #

-

Document No:

URS/MOI 01

Effective Date:

21-07-2015

Revision #

03



User Requirement Specifications Manual Optical Inspection Table

Block Code	Block	Identification #	Capacity L x W	Seating capacity	Qty Nos.
P1	Secondary Packaging Block	P1-MOI-01	(5000 x 1200) mm	20	1
P1	Secondary Packaging Block	P1-MOI-02	(5000 x 1200) mm	20	1

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URS Annexure List






URS Annex No.	Detail
1.	Layout showing location of the Optical Inspection Machine area


INTEGRATED VACCINES COMPLEX, CHENGALPATTU




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Securities of HBL Limited (In India)
HBL BOTECH LIMITED

This document is prepared by the Process, Validation and GMP Compliance team of "NNE Pharmaplan India" for the project "Integrated Vaccines Complex, Chengalpattu, Chennai" (project number: 120310) of HLL BIOTECH LIMITED (Chennai) under the authority of their Project Manager. Hence, this document before being effective should be reviewed by HBL user/s and project/ engineering team, approved by team lead of user department and QA and authorized by the appropriate Project Authority.

HLL Biotech Limited			
Name	Designation	Signature	Date
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Authorized by			
RAMAN K RAMACHANDRAN Project Authority	CEO - HBL		21.07.2015

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INTEGRATED VACCINES COMPLEX, CHENGALPATTU					
U n n e p h a r m a p l a n	User Requirement Specifications				
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2.0 EQUIPMENT DESCRIPTION					
<p>The Manual Optical Inspection table for Vials is an Inspection system to Inspect Cracks, Cosmetic Defects and Unwanted Particles in Vials. The following in Vials defects which will be detected manually:-</p> <p><u>Vials:-</u></p> <ul style="list-style-type: none"> Particle Inspection. Glass Dark (Metal, Rubber etc.). Bright Fibres. Chips and Cracks. Colour of Solution or Cake. Cap and Crimp Inspection. Flip off Crack Defect in Inspection. 					
<p>All points of the IRS except the below mentioned would be applicable for the equipment</p> <ul style="list-style-type: none"> 4.1.11 4.1.17 ASME-BPE ANSI / NSF 49-2008, ISO 14664 5.4 - Material of constructions –Please refer the section: Specific requirement. 5.1 - Table 2, point 2,6 and 8 					
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HLL BIOTECH LIMITED Integrated Vaccines Complex Chengalpattu	User Requirement Specifications				HLL BIOTECH LIMITED Integrated Vaccines Complex Chengalpattu
	Equipment/System	Manual Optical Inspection Table			
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Specifications					Remarks
3.0 PROCESS DESCRIPTION					
3.1 Input & Charging method					
3.1.1. The operator will pick the tray with vials stored on pallet manually and keep it in the inspection area.					
3.2 Brief Process Steps					
3.2.1 Operator will pick the individual vial and inspect the vials against the white and black background under canopy lights should be considered.					
3.2.2 Good vials will be kept in separate tray.					
3.2.3 Operator will manually pick the defected vials and transport it to the rejection chute to collect it separately in rejection bin with lock and key arrangement.					
3.3 Output & Discharging method					
3.3.1 After inspection, the tray with good vials will be transported for next operations.					
4.0 PRODUCTIVITY REQUIREMENT					
4.1 Desired/ suggested capacity					
The table should have 20 nos. of seating capacity with black and white canopy lights, magnifying glass to check filled vials.					
4.2 Standard batch size / process time					
Not Applicable					
4.3 Change Over Time (if applicable)					
Not Applicable					
4.4 Other Productivity Requirement					
Not Applicable					
6.1 Process Control					
6.1.1 There should be suitable rejection system contingent upon the product and the rejected product should be collected in separate tray or bin. This is applicable for all rejection stations.					
6.2 Level of instrumentation					
NA					
6.3 Batch data display and record					
NA					
6.4 GMP requirements (Others)					
NA					
6.5 Specific requirements					
6.5.1 The manual inspection table dimension should be approximately 5000 mm X 1200 mm.					
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Specifications					Remarks
(L x W) Note: vendor to confirm the final dimension as per the design of the equipment.					
6.5.2	Manual inspection table should be with black and white canopy lights to check filled vials.				
6.5.3	20 No's of work station required for vial inspection.				
6.5.4	Partitions to be provided in the table for each operator/station.				
6.5.5	Station shall be two side seating type. (10 people in 1 row)				
6.5.6	The MOC of body shall be SS 304.				
6.5.7	The Optical inspection machine shall be easy to clean.				
6.5.8	Height of the table to be designed as per ergonomic requirements and it shall be adjustable type.				
7.0 CONSTRAINTS					
7.1 Equipment location and available space					
<p>This equipment will be installed in the Secondary Packaging Block of Integrated Vaccines Complex, Chengalpattu.</p> <p>i. P1-MOI-01 Equipment Location: Room Name : Secondary Packing Hall - 4 Floor: Ground floor Room No.: P1G010 Room Dimension : 29280x8015 False Ceiling Height : 3000 mm</p> <p>ii. P1-MOI-02 Equipment Location: Room Name : Secondary Packing Hall - 1 Floor: Ground floor Room No.: P1G011 Room Dimension : 29280x7940 False Ceiling Height : 3000 mm The equipment location is indicated in the relevant block of the layout enclosed as URS Annex-1.</p>					
7.2 Available utility					
NA					
8.0 ABBREVIATION					
Abbreviation		Definition			
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EU	European Union
FAT	Factory Acceptance Test
HBL	HLL Biotech Limited
I/O	Input / Output
IRS	Installation Requirement Specifications
GMP	Good Manufacturing Practice
ISO	International Standards Organization
MOC	Material of Construction
NA	Not Applicable
NPI	NNE Pharmaplan India
PRV	Pressure reducing valve
QA	Quality Assurance
OS	Operating System

9.0 REVISION INDEX

Revision index

Revision	Date	Reason for revision
00	08-08-2014	First Draft
01	18-02-2015	Updated as per user inputs received by mail dated 18.02.2015
02	23-06-2015	Updated as per comments of HBL dated 19-06-2015
03	13-07-2015	Updated as per the telephonic discussion had with HBL on 13-07-2015

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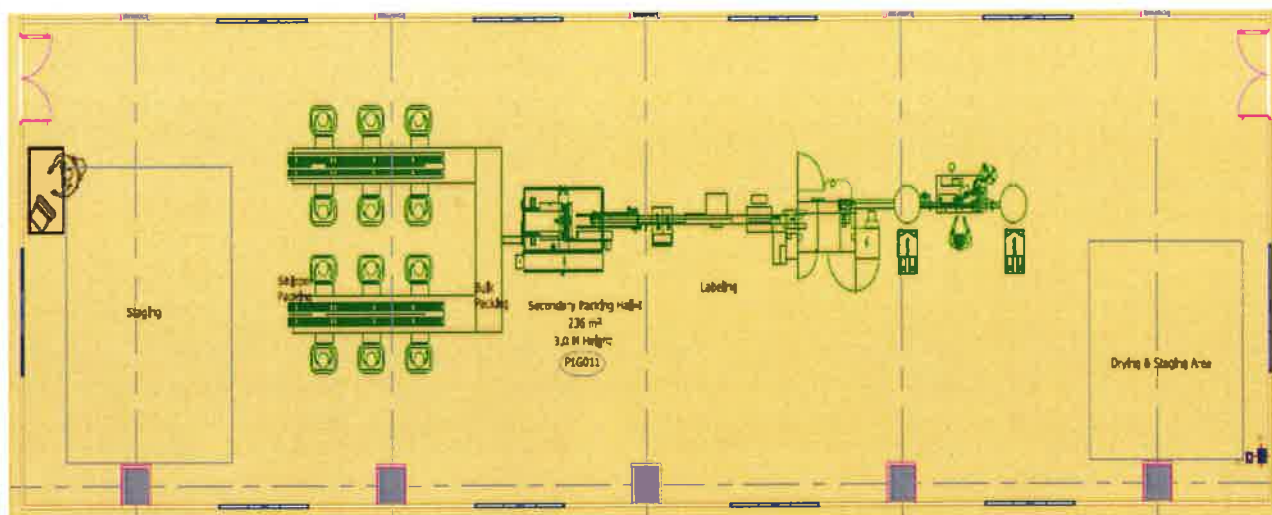
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URS ANNEXURE 1: Layout showing location of the Secondary Packing Hall- 1 & 4

Room No: P1G011 – Manual Optical Inspection Table



Room No: P1G008 – Manual Optical Inspection Table

