

Equipment Specification Data Sheet

Equipment Name: Micro Weighing balance

Document No.: DS-WBG 02

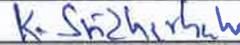
Revision: 01

Project No.: 120310

Project Name: Integrated Vaccines Complex,
Chengalpattu

Block Code	Block Name	Identification No.	Capacity	Quantity
Q1	Admin, QA & QC	Q1-WGB 03	(0.001 mg to 5 g)	1

NNE Pharmaplan India Limited

Name	Designation	Signature	Date
Prepared by			
Ms. Niharika Ruhela	Process Engineer		26/02/2016
Checked by			
Mr. Sridhar Babu	Senior Engineer - Process		26.02.2016
Approved by			
Dr. Harshad Mali	Lead Engineer - Process		26-02-2016

HLL Biotech Limited

Name	Designation	Signature	Date
Reviewed by			
User department: Bacterial Formulation			
User department: Viral Formulation			
User department: Rabies Bulk			
User department: Animal House			
User department: Quality Control			01-03-2016
User department: Warehouse			
User department: Secondary Packaging			
Project / Engineering Department			01-03-2016

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Approved by

Head of the department Bacterial Formulation			
Head of the department Viral Formulation			
Head of the department Rabies Bulk		na	
Head of the department Animal House			
Head of the department Quality Control <i>V. Vagavathi</i>	Manager	<i>Ramu</i>	03.03.16
Head of the department Ware house	_____ NA	_____	
Head of the department QA <i>Dr. Surendra Babu</i>	Done	<i>Dr. Surendra Babu</i>	04.03.16
Authorized by			
Project Authority <i>K. R.</i>	CEO.	<i>Lab</i>	7.3.16

Equipment Specification Data Sheet				
HLL Biotech Limited, Chennai				
HLL Biotech Limited Integrated Vaccines Complex, Chengalpattu	INTEGRATED VACCINES COMPLEX, CHENGALPATTU		 <small>HLL BIOTECH LIMITED 23/1, Sector 10, Gurgaon Gurgaon, Haryana</small>	
	Equipment Name	Micro Weighing balance		
	Document No.	DS-WGB 02		
	Revision No.	01		
1 Process requirements				
1.1	Weighing balances will be used for determining weight or mass of salts and other chemicals			
2 Equipment ID				
	Equipment ID	Capacity	Readability	Type
2.1	Q1-WGB 03	0.001mg-5g	0.001mg	Benchtop
3 Technical Specification				
3.1	Model	cGLP model		
3.2	Unit of display	Milligram, Grams		
3.3	Linearity	Vendor to specify		
3.4	Measuring System	Vendor to specify		
3.5	Tare	Full Weighing Range		
3.6	Calibration	External, internal calibration is required		
3.7	Display	Backlight LCD display		
3.8	Operational Temperature	-5 °C to 50 °C (system shall be suitable)		
3.9	Door	Opening from 2 sides and top sides		
3.10	Power Requirement	To be compatible to standard Indian power supply socket		
4 Material of Construction				
4.1	MOC of Door	Acrylic		
4.2	MOC of Pan	SS 304		
4.3	Ingress protection(IP)	67/68		
5 Specific Equipment requirement				
5.1	The Balance should be properly levelled. In-built spirit level for level adjustment should be provided			
5.2	Should be easily cleanable and compatible with all standard disinfectants			
5.3	Standard weights should be provided for the calibration with certification and traceability.			
5.4	Auto calibration facility should be provided for laboratory balances			
5.5	Balance should be capable of counting tarring, totalizing,percentage weighing,toggling between gross/net value (for analytical and precision balances)			

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6	Other requirement	
6.1	Display should be Back light LCD/Graphic display.	
6.2	Enclosure should be removable whenever required. Clean ability of weighing balance by removing the pan should be possible	
6.3	Printer provision of RS 232 port with weighing balance shall be considered for printing time and weight data for the sample (For analytical balance)	
6.4	Training/ demo for the users on operations and cleaning to be provided.	
7	Regulatory aspects	
7.1	CE certification	
8	Safety requirements	
	Following facilities must be provided to protect personnel and equipment:	
8.1	Appropriate closer of all parts shall be considered	
8.2	Proper earthing is necessary	
9	Documents	
	Following documents, but not limited to these, are expected from the vendor as part of the supply package in hard copy as well as editable electronic file.	
9.1	IOQ Protocol to be provided	
9.2	Comprehensive one year warranty letter from the date of supply.	
9.3	Operation and maintenance manuals shall be provided along with IOQ Documents during installation at site.	
9.4	MOC Certificates to be provided by Vendor.	
9.5	Calibration certificate of critical instruments with respect to the traceable national reference standard instrument and their calibration procedure to be provided.	
10	Timelines	
10.1	Not Applicable	
11	Preferred list of Makes	
11.1	Shimadzu, Mettler Toledo, Sartorius.	
	NOTE: Accurate size and technical specification need to be mentioned by the vendor	

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Table-1: Equipment location					
Equipment ID	Block Name	Room Name	Room No	Room dimension in mm	Room height in mm
Q1-WGB 03	Admin, QA and QC	Media preparation & sterilisation	Q1S051	5200 X 3550	2400
Table-2: Change Log					
Date	Name	Revision	Section	Change/Comment	
18-02-2016	Ms. Niharika Ruhela	00	-	New document	
24-02-2016	Mr. Sandeep Kumar	01	-	Updated as per comments received from HBL on 22-02-2016	
Table-3: Annexure					
Not applicable					