

DATA SHEET

HLL BIOTECH LIMITED, CHENNAI

nne pharmaplan®	REVIVAL OF DPT VACCINE MANUFACTURING FACILITY, PII, COONOOR		 HLL BIOTECH LIMITED <small>(Subsidiary of HLL Lifecare Limited) (A Government of India Enterprise)</small>
	Weighing Balance		
	PROJECT No :	110831	
	EQUIPMENT ID :	See Annexure -1	
	DOCUMENT No :	DS-NWB-01	

1 Process requirements

1.1 It shall be used for weighing the substances.

2 Technical Specifications

2.1	Model	cGMP, ISO compliant
2.2	Type	Weighing Balance
2.4	Capacity	1Kg-1no
		5Kg-1no's
		6Kg-1no's
		10Kg-2no's
		15Kg-1no's
		200Kg-3no's
2.5	Readability	0.001 g
2.6	Repeatability	0.01g
2.7	Linearity	0.02 g
2.8	Response time (average)	≤ 1.1 s
2.9	Unit of display	Grams, Kilograms
2.10	Measuring System	Mono Metal Tuning Fork Sensor
2.11	Tare range	Full Weighing Range
2.12	Accuracy	± 1% , PIIC to specify
2.13	Calibration	External, internal calibration is also required
2.14	Pan Size, (W X B) mm	Vendor to specify
2.15	Operational Temperature	5°C to 50°C

3 Material Of Construction

3.1	MOC of Body	Polypropylene
3.2	MOC Pan	SS 304

4 Specific requirements

4.1 The Balance should be properly levelled. In-built spirit level for level adjustment should be provided

4.2 It should have built-in Clock Function

4.3 RS 232 interface is required to transfer the data as well as to take the print out.

5 Other Requirements

5.1 Provision to tare should be provided.

5.2 Display should be LCD/LED with backlight.

5.3 On power failure equipment should come in fail safe condition.

5.4 1 year warranty Letter should be provided from the date of completion

5.5 Vendor shall provide more features apart from above.

5.6	Cleanability of weighing balance by removing the pan should be possible					
5.7	Training for operation, cleaning and calibration should be provided to the users.					
6	Regulatory aspects					
6.1	NA					
7	Safety requirements					
7.1	Proper earthing of the equipment.					
7.2	Appropriate closure of all parts.					
8	Documents					
8.1	IOQ Protocol.					
8.2	Operation and maintenance manuals shall be provided along with IQ and OQ documents during installation at site.					
8.3	Calibration Certificate of critical instruments with respect to the traceable national reference standard instrument and their calibration procedure.					
8.4	All equipment warranty should be valid for one year from the date of completion.					
8.5	Vendor should provide list of standard spare parts with ordering information.					
8.6	Vendor should provide list of change parts(if applicable) with ordering information.					
9	Timelines					
9.1	Not applicable					
NOTE: Accurate size and technical specification need to be mentioned by the vendor.						
	AFI Approved for Enquiry			AFO Approved for Ordering		
02	2015-11-05	MGGP	PULM	<input type="checkbox"/>	<input type="checkbox"/>	
Rev	Date	Completed By	Checked By	AFI	AFO	Sheet 1/2

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Annexure: 1

Equipment ID	Block Name	Quantity	Capacity	Range	Room Name	Room No	Room dimension in mm	Room height in mm
B1-NWB-01	Pertussis	1	5 Kg	0 g to 5 kg	IPQC	B1G018	2200×3310	3000
B2-NWB-01	Tetanus	1	10 Kg	0 g to 10 kg	IPQC	B2G026	3200×5335	3000
B2-NWB-02	Tetanus	1			Raw material Staging	B2G034	4600×2370	3000
A2-NWB-02	Animal Experiment	1	1 kg	0 g to 1 kg	Store feed and bedding material	A2G012	1850×2200 3150×3750	3000
A2-NWB-01	Animal Experiment	1	6 kg	0g to 6 kg	Store feed and bedding material	A2G012	1850×2200 3150×3750	3000
A2-NWB-03	Animal Experiment	1	200kg	0g to 200 Kg	Store feed and bedding material	A2G012	1850×2200 3150×3750	3000
A1-NWB-01	Animal Breeding	1			Store Room	A1G015	3600×2800	2700
A1-NWB-02	Animal Breeding	1			Store Room	A1F012	3940×3150	2700
F1-NWB-03	Formulation	1	15 kg	1 kg to 15 Kg	weighing+dispensing	F1G039	4295X2800	3000

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