

Equipment Specification Data Sheet

Equipment Name: Weighing balance

Document No.: DS-WBG 01

Revision: 02

Project No.: 120310

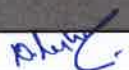
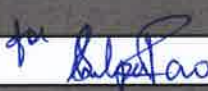

Project Name: Integrated Vaccines Complex,
Chengalpattu

Block Code	Block Name	Identification No.	Capacity	Quantity
F2	Bacterial formulation	F2-WGB-01	(0 to 40 kg)	1
F2	Bacterial formulation	F2-WGB-02	(0 to 600 kg)	1
F2	Bacterial formulation	F2-WGB-03, 04, 05	1 g - 1000 g, 0 g - 220 g, 0 g - 40kg	3
F1	Viral Formulation	F1-WGB-01	(std max 10 kg table top)	1
B4	Rabies Bulk	B4-WGB-01	(0.1 g - 1000 g)	1
B4	Rabies Bulk	B4-WGB-02	(10 g - 10 kg)	1
G1	Animal house	G1-WGB-01	(0.1 g - 3 kg, pan size will be 234 mm X 300 mm)	1
G1	Animal house	G1-WGB-02	(0.1 g to 15 kg, pan size will be 234 mm X 300 mm)	1
G1	Animal house	G1-WGB-03	(0.1 g to 15 kg, pan size will be 234 mm X 300 mm)	1
G1	Animal house	G1-WGB-04	(0.1 g to 15 kg, pan size will be 234 mm X 300 mm)	1
G1	Animal house	G1-WGB-05	(5 g to 500 kg, pan size will be 500 mm X 500 mm)	1
Q1	Admin, QA and QC	Q1-WGB-01	(10 g to 2000 g)	1
W1	Warehouse	W1-WGB-01, 02, 03	100 Kg - 1000 Kg, 100 Kg - 1000 Kg, 10 Kg - 100 Kg	3

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W1	Warehouse	W1-WGB-04, 05	100 Kg - 1000 Kg, 10 Kg - 100 Kg	2
W1	Warehouse	W1-WGB-06	0-100Kg	1
P1	Secondary Packaging	P1-WGB-01	0-3 Kg	1
P1	Secondary Packaging	P1-WGB-02	0-3 Kg	1
P1	Secondary Packaging	P1-WGB-03	0-3 Kg	1
P1	Secondary Packaging	P1-WGB-04	0-3 Kg	1
P1	Secondary Packaging	P1-WGB-05	0-100Kg	1

NNE Pharmaplan India Limited

Name	Designation	Signature	Date
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HLL Biotech Limited

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Authorized by


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CEO


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13/7/2015

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HLL Biotech Limited, Chennai					
nne pharmaplan®		INTEGRATED VACCINES COMPLEX, CHENGALPATTU			
		Equipment Name	Weighing balance		
		Document No.	DS-WGB 01		
		Revision No.	02		
1	Process requirements				
1.1	Weighing balances will be used for determining weight or mass of salts and other chemicals, which shall be used in the process and also for specific areas like animal house use weighing balance for weighing laboratory animals for materials like animal feed, bedding material etc.				
2	Equipment ID	Capacity	Readability	Repeatability	Type
2.1	F2-WGB-01	(0 to 40 kg)	2 g	0.5 g	Floor mounted SS platform
2.2	F2-WGB-02	(0 to 600 kg)	10 g	0.5 g	Floor mounted SS platform
2.3	F2-WGB-03, 04, 05	1 g - 1000 g, 0 g - 220 g, 0 g - 40kg	10 mg	0.01 g,0.1 mg	Benchtop (Precision balances) 0-40Kg - Floor mounted SS platform
2.4	F1-WGB-01	(std max 10 kg table top)	100 mg	0.01 g	Benchtop (Analytical balances)
2.5	B4-WGB-01	(0.1 g - 1000 g)	10 mg	10 mg	Benchtop (Analytical balances)
2.6	B4-WGB-02	(10 g - 10 kg)	100 mg	100 mg	Benchtop (Analytical balances)
2.7	G1-WGB-01	(0.1 g - 3 kg,pan size will be 234 mm X 300 mm)	10 mg	0.01 g	Benchtop (Precision balances)
2.8	G1-WGB-02,03,04	(0.1 g to 15 kg,pan size will be 234 mm X 300 mm)	10 mg	0.1 g	Benchtop (Precision balances)
2.9	G1-WGB-05	(5 g to 500 kg, pan size will be 500 mm X 500 mm)	100 g	50g	Floor mounted SS platform
2.10	Q1-WGB-01	(10 g to 2000 g)	10 mg	0.01 g	Benchtop (Analytical Weighing balance)
2.11	W1-WGB-01, 02, 03	100 Kg - 1000 Kg, 100 Kg - 1000 Kg, 10 Kg - 100 Kg	0.1 g	0.1 g	Floor mounted SS platform
2.12	W1-WGB-04, 05	100 Kg - 1000 Kg, 10 Kg - 100 Kg	0.1 g	0.1 g	Floor mounted SS platform
2.13	W1-WGB- 06	0-100Kg	0.1 g	0.1 g	Floor mounted SS platform
2.14	P1-WGB-01	0-3Kg	10 mg	0.01 g	Floor mounted SS platform
2.15	P1-WGB-02	0-3Kg	10 mg	0.01 g	Benchtop (precision balances)

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2.16	P1-WGB-03	0-3Kg	10 mg	0.01 g	Benchtop (precision balances)
2.17	P1-WGB-04	0-3Kg	10 mg	0.01 g	Benchtop (precision balances)
2.18	P1-WGB-05	0-100Kg	0.1 g	0.01 g	Floor mounted SS Platform
3	Technical Specification				
3.1	Model	cGLP model			
3.2	Unit of display	Milligram, Grams , Kilograms			
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	2 °C to 40 °C (system shall be suitable)			
3.9	Door	Opening from 2 sides and top sides (for analytical balances).			
3.10	Power Requirement	To be compatible to standard Indian power supply socket			
4	Material of Construction				
4.1	MOC of Door	Acrylic (for analytical balances)			
4.2	MOC of Pan	SS 304			
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 (E1 - 21 pieces weigh set - 1 no) with certification and traceability.				
5.4	Auto calibration facility should be provided.				
5.5	Balance should be capable of counting tarring, totalizing, percentage weighing, toggling between gross/net value.				
6	Other requirement				
6.1	Display should be Back light LCD/Graphic display.				

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6.2	On power failure equipment should come in fail safe condition, Over load, low battery indicator and auto power off should be provided.		
6.3	Enclosure should be removable whenever required. Clean ability of weighing balance by removing the pan should be possible		
6.4	Power failure and recovery should be provided, equipment settings should not get disturbed due to power failure.		
6.5	Printer provision of RS 232 port with weighing balance shall be considered for printing time and weight data for the sample.		
6.6	Memory function: to keep the last 20 weights in memory.		
6.7	SS ramp should be provided to move the weighing balances.		
6.8	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
F2-WGB-01	Bacterial formulation	Blending	F2G028	6090 X 8940	4000
F2-WGB-02	Bacterial formulation	Blending	F2G028	6090 X 8940	4000
F2-WGB-03,04,05	Bacterial formulation	Buffer & solution Preparation	F2G030	5127 X 6820	3500
F1-WGB-01	Viral Formulation	Blending and Formulation Room	F1G080	5420 X 6210	4000
B4-WGB-01	Rabies Bulk	Media Preparation	B4G027	6800 X 3940	2700
B4-WGB-02	Rabies Bulk	Buffer Preparation	B4G028	6800 X 3845	2700
G1-WGB-01	Animal house	Lab area – Testing	G1G011	4000 X 5100	2700
G1-WGB-02	Animal house	Animal Observation on receipt	G1G055	4700 X 7300	2700
G1-WGB-03	Animal house	Clean Corridor - Breeding	G1G015	29700 X 2000	2700
G1-WGB-04	Animal house	Inoculation Area - Testing	G1G057	4800 X 5100	2700
G1-WGB-05	Animal house	Utility Corridor	G1G010	22000 X 2000	2700
Q1-WGB-01	Admin, QA and QC	Media preparation & sterilization	Q1S051	5200 X 3550	2400
W1-WBG-01,02,03	Warehouse	Dispensing Room - 1	W1G033	5488 X 3638	3000
W1-WBG-04, 05	Warehouse	Dispensing Room - 2	W1G034	5452 X 3250	3000

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W1-WBG-06	Warehouse	Dispatch & Corridor	W1G003	4255 X 5830	NA
P1-WBG-01	Secondary Packaging	Secondary Packaging Hall -4	P1G008	29280 X 8000	3000
P1-WBG-02	Secondary Packaging	Secondary Packaging Hall -3	P1G009	29280 X 7940	3000
P1-WBG-03	Secondary Packaging	Secondary Packaging Hall -2	P1G010	29280 X 7940	3000
P1-WBG-04	Secondary Packaging	Secondary Packaging Hall -1	P1G011	29280 X 7940	3000
P1-WBG-05	Secondary Packaging	Material Staging for Packaging-1	P1G005	5000 X 4080	3000
Table-2: Change Log					
Date	Name	Revision	Section	Change/Comment	
11-07-2014	Niharika Ruhela	00	-	New document	
07-01-2015	Yogesha M J	01	All	Updated as per comments given by HBL team during meeting dated 07-01-2015 at HBL office	
04-05-2015	Niharika Ruhela	02	All	Updated as per comments given by HBL team dated 27-02-2015.	
Table-3: Annexure					
Not applicable					