



# NUTECH CALIBRATORS & ENGINEERS

(NABL Accredited Calibration Laboratory)

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Format No.: F/NCE/LAB/20		CALIBRATION CERTIFICATE OF: <b>DIGITAL BALANCE</b>	
Certificate No.:	NCE-DB-2200336-21-22	Issue Date:	05-Jan-22
Date of Calibration:	03-Jan-22	Calibration Due On:	03-Jan-23
ULR No.:	CC330422000000336F	Frequency of Calibration:	12 Months
Location of Calibration:	On Site	Instruments Receipt Date:	03-Jan-22
Issued To:	M/s : Dey's Medical Stores Pvt. Ltd. Minerva Garden Complex, D.H Road, Joka, 24 Pgs(S), Kolkata-700104		

Service Request/Order No.:

Description identification of instrument to be calibrated:

Name:	Digital Balance		
Make:	Samson	Id No. :	-
Model:	S 600 HC	SI No. :	B-180662265
Location:	Laboratory	Range:	Max <sup>m</sup> 600 g
		Resolution:	0.01 g
		Discipline :	Mechanical

Applicable specification of Item to be calibrated: Accuracy/Permissible Limit: **Not Specified**

Basis Of Calibration: Comparison Method

Environmental Condition during Calibration:

i) Temperature:	(23 ± 2)°C	ii) Humidity:	(50±10) %RH
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Traceability: Standards used for calibration are traceable to National / International Standards through ISO/IEC: 17025 accredited laboratory

Sl. No.:	Name of the Standard Instruments Used (Sl. No./Code No.)	Certificate No.	Calibration Date	Calibration Due Date	Traceable To
1	Weight ( 1 mg to 200 gm)	TSC/21-22/1799-1	07.05.2021	07.05.2022	TransCal
2	Weights (500 gm)	TSC/21-22/7027-1	26.08.2021	26.08.2022	Transcal

### CALIBRATION RESULT

A) Linearity Test:

Observation	Denomination	Std. Mass Value in g	Reading Observed at DUC in g	Deviation (g)	Measurement Uncertainty (±) mg
1	200 mg	0.200001	0.20	-0.000001	15
2	500 mg	0.499996	0.50	0.000004	
3	1 g	1.000007	1.00	-0.000007	
4	2 g	2.000003	2.00	-0.000003	
5	5 g	5.000014	5.00	-0.000014	
6	10 g	9.999988	10.00	0.000012	
7	20 g	19.999982	19.99	-0.009982	
8	50 g	50.000005	49.99	-0.010050	
9	100 g	99.999998	99.99	*0.009980	
10	200 g	199.99994	199.98	-0.019940	
11	300 g	299.99992	299.97	-0.029920	
12	500 g	500.00118	499.95	-0.051180	
13	600 g	600.00116	599.94	-0.061160	

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