



# NUTECH CALIBRATORS & ENGINEERS

(NABL Accredited Calibration Laboratory)

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CC-3304

Format No.: F/NCE/LAB/20

## CALIBRATION CERTIFICATE OF: DIGITAL BALANCE

Certificate No.: NCE-DB-2200355-21-22  
Date of Calibration: 03-Jan-22  
ULR No.: CC330422000000355F  
Location of Calibration: On Site  
Issued To: M/s : Dey's Medical Stores Pvt. Ltd.  
Minerva Garden Complex, D.H Road,  
Joka, 24 Pgs(S), Kolkata-700104

Issue Date: 05-Jan-22  
Calibration Due On: 03-Jan-23  
Frequency of Calibration: 12 Months  
Instruments Receipt Date: 03-Jan-22

Service Request/Order No.:

Description identification of instrument to be calibrated:

Name: Digital Balance  
Make: Mettler Toledo  
Model: AJ-100J  
Location: --  
Id No. : --  
SI No. : K69884  
Range: 100 g  
Resolution: 0.0001 g  
Discipline : Mass

Applicable specification of Item to be calibrated: Accuracy/Permissible Limit:

OIML R-76

Basis Of Calibration:

Environmental Condition during Calibration:

Comparison Method

i) Temperature: (23 ± 2)°C  
ii) Humidity: (50±10) %RH

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

### CALIBRATION RESULT

A) Linearity Test:

Observation	Denomination	Std. Mass Value in g	Reading Observed at DUC in g	Deviation (g)	Measurement Uncertainty (±) mg
1	1 mg	0.001001	0.0010	-0.000001	2
2	2 mg	0.002	0.0020	0.000000	
3	5 mg	0.005003	0.0050	-0.000003	
4	10 mg	0.01	0.0100	0.000000	
5	20 mg	0.020001	0.0200	-0.000001	
6	50 mg	0.05	0.0500	0.000000	
7	100 mg	0.100003	0.1000	-0.000003	
8	200 mg	0.200001	0.2000	-0.000001	
9	500 mg	0.499996	0.4999	-0.000006	
10	1 g	1.000007	1.0000	-0.000007	
11	2 g	2.000003	2.0000	-0.000003	
12	5 g	5.000014	5.0000	-0.000014	
13	10 g	9.999988	10.0000	0.000012	
14	20 g	19.999982	19.9998	-0.000182	
15	50 g	50.00005	50.0004	0.000350	
16	100 g	99.99998	99.9999	-0.000080	

Contd.....