



NEWTECH CALIBRATION LABORATORY

(NABL Accredited Calibration Laboratory)

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CC-3575

Format No.: NCL/FF/25		CALIBRATION CERTIFICATE OF: DIGITAL BALANCE			
Certificate No.:	NCL-DB-2400100-23-24	Issue Date:		04-Jan-24	
Date of Calibration:	03-Jan-24	Calibration Due On:		03-Jan-25	
ULR No.:	CC347524000000100F	Frequency of Calibration:		12 Months	
Location of Calibration:	On Site	Instruments Receipt Date:		03-Jan-24	
Issued To:	M/s. Dey's Medical Stores Pvt. Ltd. Minerva Garden Complex, Joka, South 24 Pgs Kolkata - 700104				
Order No.:	JWO/QP/2324/0001				
Description identification of instrument to be calibrated:					
Name:	Digital Balance		ID No.:	--	
Make:	METTLER		Range:	100 g	
Model:	AJ 100		Resolution:	0.0001 g	
Location:	QC Lab		Discipline:	Mass	
Applicable specification of Item to be calibrated: Accuracy/Permissible Limit:			-		
Basis Of Calibration:		Comparison Method			
S.O.P No.:	NCL/WI/03/M-01	Standard Followed:		OIML-R-76	
Environmental Condition during Calibration:		i) Temperature:		22.7°C	
		ii) Humidity:		56.2 %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./ID No.)	Certificate No.	Calibration Date	Calibration Due Date	Traceable To
1	E2 Class Weight Box (1 mg to 200 gm) (ID No.: WI/08/2014/009-E2)	TSC/23-24/1620-5	13.04.2023	13.04.2024	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	10 mg	0.010006	0.0115	0.0015	0.3mg
2	20 mg	0.019996	0.0235	0.0035	
3	50 mg	0.050004	0.0515	0.0015	
4	100 mg	0.100010	0.1041	0.0041	
5	200 mg	0.200007	0.2009	0.0009	
6	500 mg	0.500012	0.5011	0.0011	
7	1 g	1.000023	1.0006	0.0006	
8	2 g	2.000003	2.0012	0.0012	
9	5 g	5.000041	5.0001	0.0001	
10	10 g	10.000039	10.0014	0.0014	
11	20 g	20.000026	19.9987	-0.0013	
12	50 g	50.000003	50.0031	0.0031	
13	100 g	100.000011	100.0052	0.0051	

Contd.....

