TMSCC

TESTING MACHINE SERVICE AND CALIBRATION CENTRE

Precision is Our Destination.....

An ISO 9001 : 2015 Certified company

Calibration of Various Instruments & Testing Machines...

CC - 3125

Form No.: TMSCC/R/23

CALIBRATION CERTIFICATE

CALIBRATION CERTIFICATE NO.:	2024/06/889	
ISSUE DATE :	18-Jun-2024	
ULR No.:	CC312524000012395F	
1.0 ISSUED TO:	M/s.: Doctor Ghosh Super Speciality Clinic And Diagnostic Centre 1st Floor, 2/5/16, Arabinda Arena, Block B, Khardaha, Kolkata - 700118.	
1.1 Service Request Form No. :	SRF/2024/06/17/02	
1.2 Service Request Form No. :	17-06-2024	
1.3 Location:	At Lab	

1.4 Description identification of item to be calibrated:

i	Name:	Micro Pipette	ii	Make:	Micropet
iii	Model / Type No.:	--	iv	S/L No.:	--
v	I.D.No.:	DGLAB/MP/03	vi	Job Code No:	2024/06/889
vii	Range:	(100 to 1000) µl	viii	Resolution:	10 µl
ix	Accuracy	As Per ISO 8655-6	x	End User :	--

1.5	Full / Partial Calibration:	Full Calibration			
1.6	Applicable specification of item to be calibrated: Accuracy / permissible limit:			Not Specified.	
1.7	Date of receipt of item:	17-Jun-2024	1.8	Date of calibration:	17-Jun-2024
1.9	Calibration due on:	16-Jun-2025	2.0	Frequency of calibration once in:	12 Months
2.1	Environmental condition during calibration	Temperature:	20.1 °C		
		Humidity:	52 % RH		
2.2	Basis of calibration:	SOP/04/02			

2.3 Traceability : Standards used for calibration are traceable to National Standards through NABL accredited Laboratory.

Name of the Instrument	Sl. No./ Id No.	Certificate No.	Lab Certificate No.	Calibrated On	Due On
Digital Weighing Balance	(TMSCC/EB/01) (Sl. No.- 14255716)	TC/23-24/4262-04	CC - 2230	09-11-2023	08-11-2024
Digital Temperature Indicator with Sensor(RTD)	(Indicator Sl. No.- 18K588073) (Sensor Id No.- TMSCC/RTD/01)	TSC/23-24/13010-4	CC - 2231	09-11-2023	08-11-2024

CALIBRATION RESULTS

Sl. No.	Denomination Volume in µl	Observed Reading at Ref. Std. Balance in g (Avg. of five readings)	Density of De ionized Water in g/ml	Actual volume in µl	Error in µl	MPE in ± µl	Measurement Uncertainty in ± µl	Acceptence Criteria
1	100	0.09987	0.998183	100.05127	0.05127	0.8	0.039	Pass
2	300	0.29961	0.998183	300.15382	0.15382	4.0	0.039	Pass
3	500	0.49935	0.998183	500.25636	0.25636	4.0	0.039	Pass
4	700	0.69909	0.998183	700.35891	0.35891	8.0	0.039	Pass
5	1000	0.99869	0.998183	1000.51273	0.51273	8.0	0.039	Pass

Measurement Uncertainty at 95% confidence level where coverage factor, k=2

Remarks: The above DUC has been calibrated over its above range & the readings observed are tabulated above. The reference standard used is traceable to National Standard.

DUC: Device Under Calibration

Physical status of the Instrument : Ok

Calibrated By :
J. Bhattacharjee
(Sr. Calibration Engineer)

Checked By :
S. Chowdhury
(Quality Manager)

Approved By :
C. Ghosh
(Technical Director)

END OF CERTIFICATE

Office : Deshbandhu Lane, Barrackpore - 700122, Lab : "Anima Apartment", 1/1, Harisava Road, Barrackpore, Kolkata - 700122.
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