



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.: 2024/07/1734 Page 1 of 1

ISSUE DATE : 24-Jul-2024

ULR No.: CC312524000014766F

1.0 ISSUED TO: M/s.: Mediscience Diagnostic Centre
11/5/A, Bidhan Park, Kolkata- 700124.

1.1 Service Request Form No. : SRF/2024/07/22/01

1.2 Service Request Date : 22-07-2024

1.3 Location: At Lab



Description identification of item to be calibrated:

1.4	i	Name:	Micro Pipette	ii	Make:	DRAGON LAB
	iii	Model / Type No.:	--	iv	S/L No.:	YE231BD0011381
	v	I.D.No.:	--	vi	Job Code No:	2024/07/1734
	vii	Range:	(100 to 1000) µl	viii	Resolution:	5 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: 22-Jul-2024 1.8 Date of calibration: 22-Jul-2024

1.9 Calibration due on: 21-Jul-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	Acceptance Criteria
1	100	0.09988	0.998183	100.06051	0.06051	0.8	0.033	Pass
2	200	0.19976	0.998183	200.12101	0.12101	1.6	0.033	Pass
3	500	0.49939	0.998183	500.30253	0.30253	4.0	0.033	Pass
4	700	0.69915	0.998183	700.42354	0.42354	8.0	0.033	Pass
5	1000	0.99879	0.998183	1000.60505	0.60505	8.0	0.033	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. Bhatta Chatterjee
(Sr. Calibration Engineer)

Checked By :

S. Chowdhury
(Quality Manager)

Approved By :

C. Ghosh
(Technical Director)



END OF CERTIFICATE