



# 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.: 2024/10/2409 Page 1 of 1

ISSUE DATE: 5-Nov-2024

ULR No.: CC312524000023804F

1.0 ISSUED TO: M/s.: Midnapore Medical College & Hospital (ICTC UNIT)  
5, Vidyasagar Road, Midnapore, Paschim Medinipur,  
West Bengal-721101



1.1 Service Request Form No. : SRF/2024/10/31/01

1.2 Service Request Date : 31-10-2024

1.3 Location: At Lab

Description identification of item to be calibrated:

1.4	i	Name:	Micro Pipette	ii	Make:	Microlit
	iii	Model / Type No.:	Fixed	iv	S/L No.:	19224103
	v	ID No.:	MMCH/ICTC/ANC/MP/03	vi	Job Code No:	2024/10/2409
	vii	Range:	100 µl	viii	Resolution:	--
	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: 31-Oct-2024 1.8 Date of calibration: 31-Oct-2024

1.9 Calibration due on: 30-Oct-2025 2.0 Frequency of calibration once in: 12 Months

2.1 Environmental condition during calibration  
Temperature: 20.3 °C  
Humidity: 54 % 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	Density of De ionized Water in g/ml	Actual volume in µl	Mean Volume in µl	Error in µl	MPE in ± µl	Measurement Uncertainty in ± µl	Acceptance Criteria
1	100	0.09977	0.998141	99.95381	99.78410	-0.21590	0.8	0.033	Pass
2	100	0.09974	0.998141	99.92276					Pass
3	100	0.09962	0.998141	99.80754					Pass
4	100	0.09951	0.998141	99.69333					Pass
5	100	0.09936	0.998141	99.54305					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