



# TMSCC

TESTING MACHINE SERVICE AND CALIBRATION CENTRE  
Precision is Our Destination.....

An ISO 9001 : 2015 Certified company  
Calibration of Various Instruments & Testing Machines...

Form No.: TMSCC/R/23

## CALIBRATION CERTIFICATE

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CALIBRATION CERTIFICATE NO.:	2024/11/1284
ISSUE DATE :	9-Nov-2024
ULR No. :	CC312524000024140P
<b>1.0</b> ISSUED TO:	M/s.: Succes Diagnostic Centre 8C, Mohan Lal Street, Shyambazar, (Near R.G. Kar Medical College), Kolkata - 700004.
<b>1.1</b> Service Request Form No. :	SRF/2024/11/07/05
<b>1.2</b> Service Request Date :	07-11-2024
<b>1.3</b> Location:	At Lab



Description identification of item to be calibrated:

<b>1.4</b> <b>i</b> Name:	Micro Pipette	<b>ii</b> Make:	Biohit
<b>iii</b> Model / Type No.:	--	<b>iv</b> S/L No.:	19040122
<b>v</b> I.D.No.:	--	<b>vi</b> Job Code No:	2024/11/1284
<b>vii</b> Range:	(0.5 - 10) µl	<b>viii</b> Resolution:	0.1 µl
<b>ix</b> Accuracy	As Per ISO 8655-6	<b>x</b> End User :	--

<b>1.5</b> Full / Partial Calibration:	Full Calibration
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<b>1.6</b> Applicable specification of item to be calibrated: Accuracy / permissible limit:	Not Specified.
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<b>1.7</b> Date of receipt of item:	7-Nov-2024	<b>1.8</b> Date of calibration:	7-Nov-2024
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<b>1.9</b> Calibration due on:	6-Nov-2025	<b>2.0</b> Frequency of calibration once in:	12 Months
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<b>2.1</b> Environmental condition during calibration	Temperature:	20.3°C
	Humidity:	52% RH

<b>2.2</b> Basis of calibration:	SOP/04/02
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**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	2	0.00200	0.998141	1.99904	-0.00097	0.08	--	Pass
2	4	0.00400	0.998141	3.99807	-0.00193	0.125	--	Pass
3	6	0.00600	0.998141	5.99711	-0.00289	0.12	--	Pass
4	8	0.00800	0.998141	7.99614	-0.00386	0.12	--	Pass
5	10	0.01000	0.998141	9.99518	-0.00483	0.12	--	Pass

**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