



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

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CALIBRATION CERTIFICATE NO.:	2024/07/738
ISSUE DATE:	17-Jul-2024
ULR No.:	CC312524000013637F
1.0 ISSUED TO:	M/s.: Vinayaka Clinic 9A B.M Mandal Road, Santoshpur, Kolkata - 700075
1.1 Service Request Form No.:	SRF/2024/07/01/05
1.2 Service Request Date:	1-Jul-2024
1.3 Location:	At Lab



1.4 Description identification of item to be calibrated:			
i Name:	Digital Thermometer	ii Make:	Aptechdeals
iii Model / Type No.:	--	iv S/L No.:	--
v I.D.No.:	VC/DTM/02	vi Job Code No.:	2024/07/738
vii Range:	(-20 to 100)°C	viii Resolution:	0.1 °C
ix Accuracy:	As Per DKD R5 - 1	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:	1-Jul-2024	1.8 Date of calibration:	1-Jul-2024
1.9 Calibration due on:	30-Jun-2025	2.0 Frequency of calibration once in:	12 Months

2.1 Environmental condition during calibration:	Temperature:	25.5 °C
	Humidity:	56 % RH

2.2 Basis of calibration: SOP/10/02

2.3 Traceability: Standards used for calibration are traceable to National Standards through NABL accredited Laboratory.					
Name of Instrument	Sl. No. / Id no.	Certificate No.	Lab Certificate No.	Calibrated On	Due On
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.	Ref. Bath set in °C	Reading at DUC in °C	Observed Reading at Ref. Std. in °C (Avg. of five readings)	Error in °C	Uncertainty in ± °C	Acceptance Criteria
1	-20.0	-20.0	-19.985	0.015	0.18	Pass
2	-10.0	-10.0	-9.992	0.008	0.18	Pass
3	15.0	15.0	14.989	-0.011	0.18	Pass
4	50.0	50.0	49.962	-0.038	0.31	Pass
5	100.0	100.0	99.925	-0.075	0.31	Pass

Maximum Permissible Error: ± 0.3% of rdg
Measurement Uncertainty at 95% Confidence Level where Coverage Factor k = 2

REMARKS: The DUC has been calibrated over its range. The readings observed are tabulated above. The reference standard is traceable to National standard.

DUC: Device Under Calibration.
Physical Status of the DUC: OK

Calibrated By:

R. Ghosh
(Calibration Engineer)

Checked By:

C. Ghosh
(Technical Director)

Approved By:

P. K. Modak
(Sr. Calibration Engineer)



END OF CERTIFICATE