



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.: 2024/07/737 Page 1 of 1

ISSUE DATE : 17-Jul-2024

ULR No.: CC312524000013636F

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/01	vi	Job Code No.:	2024/07/737
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	-19.989	0.011	0.18	Pass
2	-10.0	-10.0	-9.994	0.006	0.18	Pass
3	15.0	15.0	14.992	-0.008	0.18	Pass
4	50.0	50.0	49.972	-0.028	0.31	Pass
5	100.0	100.0	99.945	-0.055	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