



TMSCC

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



An NABL Accredited Calibration Laboratory
A Constituent Board of Quality Council of India
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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ISSUE DATE: 5-Jun-2023

ULR No.: CC312523000007008P

1.0 ISSUED TO: M/s: Suraha Speciality Laboratory
167, Beharapara, H.C. Sarani, Sonarpur,
24.Parganas(S), Kolkata - 700150

1.1 Service Request Form No.: SRF/2023/06/02/02

1.2 Service Request Date: 02-06-2023

1.3 Location: At Lab

1.4 Description identification of item to be calibrated:

i Name:	Digital Thermometer	ii Make:	HTC
iii Model / Type No.:	--	iv S/L No.:	--
v I.D.No.:	SSL/DTM/02	vi Job Code No.:	2023/06/91
vii Range:	(-50 to 300)°C	viii Resolution:	0.1°C
ix Accuracy:	As Per DKD R5 - 1	x End User:	--

1.5 Full / Partial Calibration: Partial Calibration

1.6 Applicable specification of item to be calibrated: Accuracy / permissible limit: Not Specified.

1.7 Date of receipt of item: 2-Jun-2023 1.8 Date of calibration: 2-Jun-2023

1.9 Calibration due on: 1-Jun-2024 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)	Sl. No.- 18K588073 (Sensor Sl. No.- 19102403)	TSC/22-23/12095-36	CC-2231	17-11-2022	17-11-2023

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	-35.0	-35.0	-35.066	-0.066	0.15	Pass
2	-15.0	-15.0	-15.028	-0.028	0.15	Pass
3	25.0	25.0	25.047	0.047	0.25	Pass
4	50.0	50.0	50.094	0.094	0.25	Pass
5	100.0	100.0	100.189	0.189	0.25	Pass
6	200.0	200.0	200.377	0.377	0.25	Pass
7	300.0	300.0	300.566	0.566	0.25	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