



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 : 12-Jun-2023

ULR No.: CC312523000007370P

1.0 ISSUED TO : MSVP
College of Medicine
Sagore Dutta Hospital
578 B.T Road , Kolkata -700058

1.1 Service Request Form No.: SRF/2023/06/09/01

1.2 Service Request Date : 09-06-2023

1.3 Location : At Lab

1.4 Description identification of item to be calibrated :

i Name :	Digital Thermometer	ii Make :	Multi
iii Model / Type No.:	HT-9269	iv S/L No.:	--
v I.D.No.:	SDM/DTM/01	vi Job Code No.:	2023/06/488
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 : 9-Jun-2023 **1.8** Date of calibration : 9-Jun-2023

1.9 Calibration due on : 8-Jun-2024 **2.0** Frequency of calibration once in : 12 Months

2.1 Environmental condition during calibration :
Temperature : 25.3 °C
Humidity : 52 % 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	-35.038	-0.038	0.14	Pass
2	-15.0	-15.0	-15.016	-0.016	0.14	Pass
3	10.0	10.0	10.011	0.011	0.14	Pass
4	25.0	25.0	25.027	0.027	0.14	Pass
5	50.0	50.0	50.054	0.054	1.25	Pass
6	100.0	100.0	100.107	0.107	1.25	Pass
7	200.0	200.0	200.215	0.215	1.25	Pass
8	300.0	300.0	300.322	0.322	1.25	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 :

J. Bhattacharjee
(Sr. Calibration Engineer)

Checked By :

C. Ghosh
(Technical Director)

Approved By :

P. K. Modak
(Sr. Calibration Engineer)

END OF CERTIFICATE