



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.: 2024/11/1286 Page 1 of 1

ISSUE DATE : 9-Nov-2024

ULR No.: CC312524000024142P

1.0 ISSUED TO : M/s.: Succes Diagnostic Centre
8C, Mohan Lal Street, Shyambazar,
(Near R.G. Kar Medical College), Kolkata - 700004.



1.1 Service Request Form No.: SRF/2024/11/07/05

1.2 Service Request Date : 7-Nov-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.:	SDC/DTM/01	vi	Job Code No.:	2024/11/1286
vii	Range :	(-50 to 110)°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 : 7-Nov-2024 1.8 Date of calibration : 7-Nov-2024

1.9 Calibration due on : 6-Nov-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	-35.0	-35.0	-34.929	0.071	0.18	Pass
2	-20.0	-20.0	-19.959	0.041	0.18	Pass
3	2.0	2.0	1.996	-0.004	0.18	Pass
4	10.0	10.0	9.980	-0.020	0.18	Pass
5	50.0	50.0	49.898	-0.102	0.31	Pass
6	110.0	110.0	109.776	-0.224	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