



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

CC - 3125

Calibration of Various Instruments & Testing Machines...

Form No.: TMSCC/R/23

CALIBRATION CERTIFICATE

Page 1 of 1

CALIBRATION CERTIFICATE NO.:		2023/06/489				
ISSUE DATE :		12-Jun-2023				
ULR No.:		CC312523000007371P				
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/02	vi	Job Code No.:	2023/06/489	
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	-35.053	-0.053	0.14	Pass
2	-15.0	-15.0	-15.023	-0.023	0.14	Pass
3	10.0	10.0	10.015	0.015	0.14	Pass
4	25.0	25.0	25.038	0.038	0.14	Pass
5	50.0	50.0	50.076	0.076	1.25	Pass
6	100.0	100.0	100.151	0.151	1.25	Pass
7	200.0	200.0	200.303	0.303	1.25	Pass
8	300.0	300.0	300.454	0.454	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