



MEASURE TECHNO LAB

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CALIBRATION CERTIFICATE OF DIGITAL THERMOMETER

CC - 2545

CALIBRATION CERTIFICATE NO.: MTL / D / R05 / 06 - 23

ULR - CC254523000016736F

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Service Request No.: MTL / 14F / 06 / 22 - 23

Issued to: M/s. Diagnostics,
190B, Rashbehari Avenue,
Kolkata - 700029.

Description & Identification of Item Item Calibrated:	a) Name:	Digital Thermometer	b) Code No.:	DIA / BIO / 30
	c) Sl. No.:	N.S.	d) Make:	N.S.
	e) Model / Type:	N.S.	f) Range:	(-) 50 °C to 300 °C
	g) Sensor:	N.S.	h) Resolution:	0.1 °C
	i) End User:	Biochemistry	j) Accuracy:	N.S.
	k) Calibration done at:	√ On Site / In House		

Date of receipt of item :	14-06-23	1.4 Physical Condition of DUC :	OK
Date of calibration :	14-06-23	1.6 Recommended date of next calibration :	14-06-24
Date of Issue :	16-06-23		
Environmental Conditions During Calibration:	Temperature:	25.6 °C	
	Humidity:	66.3 % RH	

Method of Calibration: SOP / TH / 04 (A)

Traceability :

a) Standards used for calibration are traceable to National standards through NABL Accredited Laboratory.
b) The following standards / Equipment have been used.

Data Acquisition Switch Unit Cal. Certificate No. JRPM - CCTR - ET - 2022 - 1498 (JRPM, Chennai) (Cal. Date: 25/08/22, Due Date: 24/08/23)
RTD (PT - 100) Cal. Certificate No. TL / 022 / 1166.2.1 (TEMPSENS, Udalpur) (Cal. Date: 19/10/22, Due Date: 18/10/23)

Result :

Normal Calibration (Temperature)

Sl. No.	Parameter / Range	Measured Value on DUC °C	Corrected Std. Value		Error °C	Measurement Expanded Uncertainty ± °C
			Ohms	°C		
1.	Temperature (-) 50 °C to 300 °C	-28.7	88.888	-28.311	-0.389	0.23
2.		0.3	100.311	0.796	-0.496	0.23
3.		100.7	139.004	101.315	-0.615	0.41
4.		200.9	176.466	201.658	-0.758	0.41
5.		293.8	210.145	294.653	-0.853	1.64

Remarks: i) This result has an expanded uncertainty with a coverage factor k=2 at approximately 95% confidence level.
ii) The calibration certificate issued for this instrument is to be used for scientific or industrial purposes only.
iii) Error = DUC Reading - Standard Reading.
iv) Calibrations are carried out without any adjustment or repair.

- Device Under Calibration N.S. - Not Specified N.A. - Not Applicable Std. - Standard

Opinions and Interpretations

Calibrated	√	Accepted / Valid for use
Limited Use		Rejected / Out of use

Calibrated by:
Calibration Engineer
Measure Techno Lab
Calibration Engineer

Checked / Approved by:

Quality & Technical Manager

S. Pandey

No. - MTL/22/2006	Issue No. : 2	Issue Date : 10.11.06	Rev. No. : 04	Rev. Date : 01.04.22
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