


MEASURE TECHNO LAB 2, B.T. ROAD (JAYANTI CINEMA COMPLEX) BARRACKPORE, KOLKATA - 700120, W.B. Phone : 033 - 2215 - 0032, 2215 - 9687, 8100875519, Mobile: 9831190974 , LAB:- 8100143376, E-mail: measuretechno@yahoo.co.in	Form No. - MTL/22/2006	 <small>NABL ACCREDITED LABORATORY Certificate No. CC - 2545</small>
	CALIBRATION CERTIFICATE OF DIGITAL THERMOMETER WITH SENSOR	
CALIBRATION CERTIFICATE NO.: MTL / UWC / R09 / 02 - 22	ULR - CC254522000006598F	Page: 1 of 1

1.0 Service Request No.: MTL / 23A / 02 / 21 - 22

1.1 Issued to: M/s. Unique Wellness Care,
Plot No. 19, Street No. 5/12, Guru Nanak Dev Colony,
New Delhi - 110042.

1.2 Description & Identification of item to be Calibrated:

a) Name:	Digital Thermometer with Sensor	b) Code No.:	DT - 01
c) Sl. No.:	N.S.	d) Make:	N.S.
e) Model / Type:	ST - 9283B	f) Range:	(-) 50 °C to 300 °C
g) Sensor:	N.S.	h) Resolution:	0.1 °C
i) End User:	Lab	j) Accuracy:	N.S.
k) Calibration done at:	On Site / √ In House		

1.3 Date of receipt of item : 21-02-24

1.4 Physical Condition of DUC : OK

1.5 Date of calibration : 23-02-24

1.6 Recommended date of next calibration : 23-02-25

1.7 Date of Issue : 25-02-24

1.8 Environmental Conditions During Calibration:

Temperature:	23.3 °C
Humidity:	58.7 % RH

1.9 Method of Calibration: SOP / TH / 01

2.0 Traceability :

- a) Standards used for calibration are traceable to National standards through NABL Accredited Laboratory.
b) The following standards / Equipment have been used.
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|---|---|
| i) Data Acquisition Switch Unit Cal. Certificate No. JRPM - CCTR - ET - 2021 - 1227 (JRPM, Chennai) | (Cal. Date: 26/08/21, Due Date: 25/08/22) |
| ii) RTD (PT - 100) Cal. Certificate No. TL / 021 / 1091.2.1 (TEMPESENS, Udaipur) | (Cal. Date: 25/10/21, Due Date: 24/10/22) |

2.1 Result :


Thermal Calibration

Sl. No.	Parameter/ Range	Measured Value on DUC °C	Corrected Std. Value °C	Error °C	Measurement Expanded Uncertainty ± °C
1.	Temperature (-) 50 °C to 300 °C	-49.9	-49.564	-0.336	0.51
2.		-0.1	0.189	-0.289	0.19
3.		100.1	100.314	-0.214	0.33
4.		199.8	200.167	-0.367	0.33
5.		297.9	298.312	-0.412	0.68

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.

DUC - 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:

S. Pandey
 Calibration Engineer
 Measure Techno Lab
 Kolkata

Checked / Approved by:

S. Pandey
 Quality & Technical Manager

S. Pandey