


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	 NABL ACCREDITED LABORATORY Certificate No. CC - 2542
	CALIBRATION CERTIFICATE OF DIGITAL THERMOMETER	
CALIBRATION CERTIFICATE NO.: MTL / CNCI / R19 / 06 - 21	ULR - CC254521000009826F	Page: 1 of 1

1.0 Service Request No.: MTL / 08A / 06 / 21 - 22

1.1 Issued to: M/s. Chittaranjan National Cancer Institute,
Street No. 299, DJ Block (Newtown),
Action Area - I, Newtown, West Bengal - 700156.

1.2 Description & Identification of item to be Calibrated:

a) Name:	Digital Thermometer	b) Code No.:	DT - 01
c) Sl. No.:	N.S.	d) Make:	N.S.
e) Model / Type:	N.S.	f) Range:	(-) 30 °C to 70 °C
g) Sensor:	N.A.	h) Resolution:	0.1 °C
i) End User:	Microbiology	j) Accuracy:	N.S.
k) Calibration done at:	√ On Site / In House		

1.3 Date of receipt of item : 08-06-21

1.4 Physical Condition of DUC : OK

1.5 Date of calibration : 08-06-21

1.6 Recommended date of next calibration : 08-06-22

1.7 Date of Issue : 10-06-21

1.8 Environmental Conditions During Calibration: Temperature: 25.6 °C
Humidity: 64.3 % RH

1.9 Method of Calibration: SOP / TH / 01 (A)

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.

- i) Data Acquisition Switch Unit Cal. Certificate No. JRPM - CCTR - ET - 2020 - 0795 (JRPM, Chennai) (Cal. Date: 01/09/20, Due Date: 31/08/21)
ii) RTD (PT - 100) Cal. Certificate No. TL / 020 / 891.2.1 (TEMPSENS, Udaipur) (Cal. Date: 27/10/20, Due Date: 26/10/21)

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.		-29.7	-29.922	0.222	0.63
2.	Temperature (-) 30 °C to 70 °C	0.1	-0.259	0.359	0.63
3.		20.1	19.689	0.411	0.63
4.		50.0	49.532	0.468	0.63
5.		69.1	68.587	0.513	0.60

- 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.

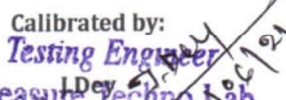
DUC - Device Under Calibration

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:

 Testing Engineer
 Measure Techno Lab
 Kolkata

Checked / Approved by:

 Quality & Technical Manager
 S. Pandey