## MEASURE TECHNO LAB 2, B.T. ROAD (JAYANTI CINEMA COMPLEX) BARRACKPORE, KOLKATA - 700120, W.B.

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CALIBRATION CERTIFICATE NO.:MTL / CNCI / R04 / 06 - 21

Form No. - MTL/22/2006

## CALIBRATION CERTIFICATE OF DIGITAL THERMOMETER

ULR - CC254521000009811F



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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 &

a) Name:

Digital Thermometer

b) Code No.:

DT - 02

Identification of item to be Calibrated:

c) Sl. No.:

N.S.

d) Make:

Aceteq

e) Model / Type: N.S.

f) Range:

(-) 30 °C to 70 °C

g) Sensor:

N.A.

h) Resolution: 0.1 °C N.S.

i) End User:

Biochemistry

j) Accuracy:

1.3 Date of receipt of item:

k) Calibration done at: 08-06-21

√ On Site / In House 1.4 Physical Condition of DUC:

1.5 Date of calibration:

08-06-21

1.6 Recommended date of next calibration:

1.7 Date of Issue:

25.2°C

08-06-22

10-06-21

1.8 Environmental Conditions During Calibration:

Temperature: **Humidity:** 

64.7 % 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

SI. No.	Parameter/ Range	Measured Value on DUC °C	Corrected Std. Value °C	°C	Measurement Expanded Uncertainty ± °C
1.	Temperature (-) 30 °C to 70 °C	-29.8	-29.435	-0.365	0.63
2.		0.3	0.757	-0.457	0.63
3.		20.0	20.512	-0.512	0.63
4.		50.1	50.774	-0.674	0.60
5.		69.2	69.920	-0.720	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.

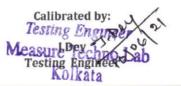
**DUC - Device Under Calibration** 

N.S. - Not Specified

N.A. - Not Applicable

Std. - Standard

**Opinions and Interpretations** Accepted / Valid for use Calibrated Limited Use Rejected / Out of use



Quality & Technical Manager