



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

CALIBRATION CERTIFICATE OF DIGITAL THERMOMETER

CC - 2545

CALIBRATION CERTIFICATE NO.: MTL / MMCH / R02 / 04 - 23

ULR - CC254523000008973F

Page: 1 of 1

1.0 Service Request No.: MTL / 05A / 04 / 23 - 24

1.1 Issued to: HIV Testing Laboratory,
ICTC (ANC) Unit,
Midnapore Medical College & Hospital,
Paschim Medinipur.

1.2 Description & Identification of Item to be Calibrated:	a) Name:	Digital Thermometer	b) Code No.:	MMCH / ICTC / ANC / DT - 02
	c) Sl. No.:	N.S.	d) Make:	Acetecq
	e) Model / Type:	DC - 3	f) Range:	(-) 10 °C to 50 °C
	g) Sensor:	N.A.	h) Resolution:	0.1 °C
	i) End User:	Laboratory	j) Accuracy:	N.S.
	k) Calibration done at:	√ On Site / In House		

1.3 Date of receipt of item :	05-04-23	1.4 Physical Condition of DUC :	OK
1.5 Date of calibration :	05-04-23	1.6 Recommended date of next calibration :	05-04-24
1.7 Date of Issue :	10-04-23		

1.8 Environmental Conditions During Calibration: Temperature: 25.1 °C
Humidity: 65.3 % 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 - 2022 - 1498 (JRPM, Chennai) (Cal. Date: 25/08/22, Due Date: 24/08/23)

ii) RTD (PT - 100) Cal. Certificate No. TL / 022 / 1166.2.1 (TEMPSENS, Udaipur) (Cal. Date: 19/10/22, Due Date: 18/10/23)

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.		-9.7	-9.484	-0.216	0.63
2.	Temperature (-) 10 °C to 50 °C	0.2	0.498	-0.298	0.63
3.		19.8	20.146	-0.346	0.63
4.		29.9	30.311	-0.411	0.63
5.		48.7	49.237	-0.537	0.63

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	

Calibration Engineer
Measure Techno Lab
Kolkata
Calibration Engineer

Checked & Approved by:
Quality & Technical Manager

