



MEASURE TECHNO LAB

2, B.T. ROAD (JAYANTI CINEMA COMPLEX), BARRACKPORE,
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CALIBRATION CERTIFICATE OF REFRIGERATOR

CC - 2545

CALIBRATION CERTIFICATE NO.: MTL / MMCH / R03 / 04 - 23

ULR - CC254523000008974F

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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:	Refrigerator	b) Code No.:	MMCH / ICTC / ANC / REF - 01
	c) SI No.:	N.A.	d) Make:	LG
	e) Model / Type:	GL - B221APAN	f) Range:	As Per Report
	g) Sensor:	N.A.	h) Resolution:	N.A.
	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: 25.3 °C
Humidity: 65.7 % RH

1.9 Method of Calibration: SOP / TH / 05

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	Chamber	Corrected Std. Value °C			Zone	Measurement Expanded Uncertainty ± °C
			Min.	Max.	Average		
1.	Temperature	Normal	4.29	4.33	4.311	UZ	1.06
			4.38	4.42	4.408	MZ	1.06
			4.46	4.56	4.514	LZ	1.06

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) Average Reading obtained by 10 Readings.

DUC - Device Under Calibration	N.S. - Not Specified	N.A. - Not Applicable	Std. - Standard	Min. - Minimum
Max. - Maximum	UZ - Upper Zone	MZ - Middle Zone	LZ - Lower Zone	

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
 S. Pandey