



MEASURE TECHNO LAB

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



CC - 2545

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CALIBRATION CERTIFICATE OF REFRIGERATOR

CALIBRATION CERTIFICATE NO.: MTL / MMCH / R04 / 04 - 23

ULR - CC254523000008975F

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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 - 02
	c) SI No.:	N.A.	d) Make:	LG
	e) Model / Type:	GL - B221ABPX	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: 25.4 °C
Humidity: 65.4 % 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	5.32	5.35	5.336	UZ	1.06
			5.39	5.42	5.413	MZ	1.06
			5.46	5.56	5.514	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