



MEASURE TECHNO LAB

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

CALIBRATION CERTIFICATE NO.: MTL / KSDH / R06 / 04 - 23

ULR - CC254523000008971F

CC - 2545

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

1.1 Issued to: HIV Testing Laboratory,
ICTC Unit,
Kharagpur Sub Division Hospital,
Kharagpur, Paschim Medinipur,
Pin - 721301.

1.2 Description & Identification of item to be Calibrated:	a) Name:	Refrigerator	b) Code No.:	KSDH / ICTC / REF - 03
	c) SI No.:	N.A.	d) Make:	Electrolux
	e) Model / Type:	EDP234	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 : 07-04-23

1.8 Environmental Conditions During Calibration: Temperature: 25.4 °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 (TEMPESENS, 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	2.32	2.34	2.331	UZ	1.06
			2.37	2.39	2.388	MZ	1.06
			2.43	2.45	2.444	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:
KOLKATA
Quality & Technical Manager

S. Pandey

Form No. - MTL/22/2006

Issue No. : 2 Issue Date : 10.11.06

Rev. No. : 04 Rev. Date : 01.04.22