



MEASURE TECHNO LAB

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



NABL ACCREDITED LABORATORY
Certificate No. CC - 2543

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CALIBRATION CERTIFICATE OF REFRIGERATOR

Page: 1 of 1

ALIBRATION CERTIFICATE NO.: MTL / HIVTL (S) / R19 / 07 - 22

ULR - CC254522000020727F

1.0 Service Request No.: MTL / 29B / 07 / 22 - 23

1.1 Issued to: HIV Testing Laboratory (SRL & ICTC),
Department of Microbiology,
New STNM Multi Speciality Hospital,
Sochakgang, Gangtok, Sikkim - 737101.

1.2 Description &
Identification of item
to be Calibrated:

a) Name: Refrigerator

b) Code No.: MICRO / NSTNMMSH /
SRL / REF / 3

c) SI No.: N.S.

d) Make: Haier

e) Model / Type: N.S.

f) Range: As Per Report

g) Sensor: N.A.

h) Resolution: N.A.

i) End User: ICTC Department

j) Accuracy: N.S.

k) Calibration done at: On Site / In House

1.3 Date of receipt of item : 30-07-22

1.4 Physical Condition of DUC : OK

1.5 Date of calibration : 30-07-22

1.6 Recommended date of next calibration : 30-07-23

1.7 Date of Issue : 01-08-22

1.8 Environmental Conditions During Calibration: Temperature: 25.3 °C
Humidity: 65.8 % 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 - 2021 - 1227 (JRPM, Chennai) (Cal. Date: 26/08/21, Due Date: 25/08/22)
- ii) RTD (PT - 100) Cal. Certificate No. TL / 021 / 1091.2.1 (TEMPSENS, Udaipur) (Cal. Date: 25/10/21, Due Date: 24/10/22)

2.1 Result :

Thermal Calibration

Sl. No.	Parameter/ Range	Chamber	Corrected Std. Value °C			Zone	Measurement Expanded Uncertainty ± °C
			Min.	Max.	Average		
1.	Temperature	Deep	-17.45	-17.40	-17.414	LS	0.83
			-17.43	-17.38	-17.393	RS	0.83
2.	Temperature	Normal	5.36	5.42	5.404	UZ	1.06
			5.39	5.44	5.426	MZ	1.06
			5.42	5.48	5.463	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 LS - Left Side
RS - Right Side

Opinions and Interpretations

Calibrated	<input checked="" type="checkbox"/>	Accepted / Valid for use
Limited Use	<input type="checkbox"/>	Rejected / Out of use

Calibrated by:
Calibration Engineer
Measure Techno Lab
Calibration Engineer

Checked / Approved by:

Quality & Technical Manager
A. Pandey