


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	Form No. - MTL/22/2006	 <small>NABL ACCREDITED LABORATORY Certificate No. CC - 2545</small>
	CALIBRATION CERTIFICATE OF REFRIGERATOR	
CALIBRATION CERTIFICATE NO.: MTL / CNCI / R07 / 06 - 21	ULR - CC254521000009814F	Page: 1 of 1

1.0 Service Request No.: MTL / 08A / 06 / 21 - 22

1.1 Issued to: M/s. Chittaranjan National Cancer Institute,
Street No. 299, DJ Block (Newtown),
Action Area - I, Newtown, West Bengal - 700156.

1.2 Description & Identification of item to be Calibrated:	a) Name:	Refrigerator	b) Code No.:	N.S.
	c) SI No.:	20122934	d) Make:	Celfrost
	e) Model / Type:	N.S.	f) Range:	2 °C to 8 °C
	g) Sensor:	N.A.	h) Resolution:	1 °C
	i) End User:	Biochemistry	j) Accuracy:	N.S.
	k) Calibration done at:	√ On Site / In House		

1.3 Date of receipt of item : 08-06-21 **1.4 Physical Condition of DUC :** OK
1.5 Date of calibration : 08-06-21 **1.6 Recommended date of next calibration :** 08-06-22

1.7 Date of Issue : 10-06-21
1.8 Environmental Conditions During Calibration: **Temperature:** 25.7 °C
Humidity: 64.8 % 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 - 2020 - 0795 (JRPM, Chennai) (Cal. Date: 01/09/20, Due Date: 31/08/21)
 - ii) RTD (PT - 100) Cal. Certificate No. TL / 020 / 891.2.1 (TEMPSENS, Udaipur) (Cal. Date: 27/10/20, Due Date: 26/10/21)

2.1 Result :

Thermal Calibration

Sl. No.	Parameter/ Range	Temperature Set at °C	Measured Value on DUC °C			Corrected Std. Value °C			Error °C	Rack	Measurement Expanded Uncertainty ± °C
			Min.	Max.	Average	Min.	Max.	Average			
1.	Temperature 2 °C to 8 °C	7	7	7	7.0	7.21	7.78	7.506	-0.506	1	1.06
						7.13	7.56	7.357	-0.357	2	1.06
						7.05	7.54	7.308	-0.308	3	1.06
						7.08	7.43	7.266	-0.266	4	1.06
						6.94	7.47	7.219	-0.219	5	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.
iv) Error = Average DUC Reading - Average Standard Reading.

DUC - Device Under Calibration N.S. - Not Specified N.A. - Not Applicable Std. - Standard Min. - Minimum
Max. - Maximum

Opinions and Interpretations	
Calibrated	√ Accepted / Valid for use
Limited Use	Rejected / Out of use

Calibrated by:

Testing Engineer
J. Dey
Measure Techno Lab
Testing Engineer
Kolkata
10/06/21

Checked / Approved by:


S. Pandey
Quality & Technical Manager