


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	 NABL ACCREDITED LABORATORY Certificate No. CC - 2545
	CALIBRATION CERTIFICATE OF REFRIGERATOR	
CALIBRATION CERTIFICATE NO.: MTL / SDC / R09 / 05 - 21	ULR - CC25452100009556F	Page: 1 of 1

1.0 Service Request No.: MTL / 11 / 05 / 21- 22

1.1 Issued to: M/s. Sun Diagnostic Centre,
 IMA Building, Ranihat, Near SCB Medical College,
 Cuttack, Odisha - 753007.

1.2 Description & Identification of item to be Calibrated:

a) Name:	Refrigerator	b) Code No.:	SDC / LAB / RF / 3
c) Sl. No.:	N.S.	d) Make:	Euronova
e) Model / Type:	N.S.	f) Range:	2 °C to 8 °C
g) Sensor:	N.A.	h) Resolution:	0.1 °C
i) End User:	Pathology	j) Accuracy:	N.S.
k) Calibration done at:	√ On Site / In House		

1.3 Date of receipt of item : 11-05-21

1.4 Physical Condition of DUC : OK

1.5 Date of calibration : 11-05-21

1.6 Recommended date of next calibration : 11-05-22

1.7 Date of Issue : 12-05-21

1.8 Environmental Conditions During Calibration:

Temperature: 25.1 °C
 Humidity: 63.3 % 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	2.0	2.0	2.0	2.00	2.35	2.44	2.405	-0.405	1	1.06
						2.40	2.56	2.491	-0.491	2	1.06
						2.48	2.70	2.605	-0.605	3	1.06
						2.55	2.73	2.657	-0.657	4	1.06
						4.46	4.58	4.530	-0.530	1	1.06
2.	4.0	4.0	4.00	4.54	4.60	4.583	-0.583	2	1.06		
				4.61	4.73	4.683	-0.683	3	1.06		
				4.65	4.78	4.730	-0.730	4	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.

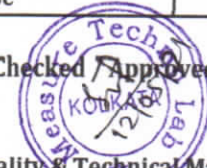
iii) Average Reading obtained by 10 Readings.

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
 Measure Techno Lab
 Testing Engineer
 Kolkata

Checked / Approved by:

 Quality & Technical Manager

S. Pandey

