


MEASURE TECHNO LAB 2, B.T. ROAD (JAYANTI CINEMA COMPLEX) BARRACKPORE, KOLKATA - 700120, W.B.	Form No. - MTL/22/2006	 CALIBRATION CERTIFICATE OF REFRIGERATOR <small>NABL ACCREDITED LABORATORY Certificate No. CC - 2545</small>
Phone : 033 - 2215 - 0032, 2215 - 9687, 8100875519, Mobile: 9831190974 , LAB:- 8100143376, E-mail: measuretechno@yahoo.co.in	CALIBRATION CERTIFICATE OF REFRIGERATOR	
CALIBRATION CERTIFICATE NO.: MTL / SDC / R07 / 05 - 21	ULR - CC254521000009554F	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 / 1
	c) Sl. No.: 10710201030122	d) Make: Videocon
	e) Model / Type: S166NE	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: <input checked="" type="checkbox"/> On Site / <input type="checkbox"/> 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:** 25.2 °C
Humidity: 63.2 % 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	2.28	2.34	2.315	-0.315	1	1.06
						2.39	2.46	2.438	-0.438	2	1.06
						2.45	2.60	2.538	-0.538	3	1.06
						2.53	2.68	2.622	-0.622	4	1.06
2.	4.0	4.0	4.0	4.00	4.36	4.48	4.437	-0.437	1	1.06	
					4.40	4.51	4.468	-0.468	2	1.06	
					4.58	4.65	4.628	-0.628	3	1.06	
					4.63	4.69	4.675	-0.675	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*
S. Dey
Measure Techno Lab
Kolkata
12/05/21


Checked / Approved by:
S. Pandey
Quality & Technical Manager

