

MEASURE TECHNO LAB

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CALIBRATION CERTIFICATE OF REFRIGERATOR

Calibration Certificate No.: MTL / D / R13 / 06 - 23
Service Request No.: MTL / 14F / 06 / 22 - 23

ULR - CC254523000016740F

CC - 1548
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Accepted to: M/s. Diagnostics,
190B, Rashbehari Avenue,
Kolkata - 700029.

Description & Identification of Item to be Calibrated:

- a) Name: Refrigerator
- b) Code No.: DIA / BIO / 13
- c) SI No.: N.S.
- d) Make: LG
- e) Model / Type: N.S.
- f) Range: As Per Report
- g) Sensor: N.A.
- h) Resolution: N.A.
- i) End User: Biochemistry
- j) Accuracy: N.S.
- k) Calibration done at: On Site / In House

1.2 Date of receipt of item : 14-06-23
1.3 Date of calibration : 14-06-23
1.4 Date of Issue : 16-06-23
1.5 Environmental Conditions During Calibration:

1.4 Physical Condition of DUC : OK
1.6 Recommended date of next calibration : 14-06-24

1.6 Method of Calibration: SOP / TH / 05

Temperature: 25.5 °C
Humidity: 65.6 % RH

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) Date Acquisition Switch Unit Cal. Certificate No. JRPm - CCTR - ET - 2022 - 1488 (JRPm, Chennai) (Cal. Date: 25/08/22, Due Date: 24/08/23)
- ii) PT-100 Cal. Certificate No. TL / 022 / 1168.2.1 (TEMPSENS, Udalpur) (Cal. Date: 18/10/22, Due Date: 18/10/23)

2.1 Result:

Thermal Calibration (Temperature)

Sl. No.	Parameter / Range	Chamber	Corrected Std. Value					Zone	Measurement Expanded Uncertainty ± °C
			Min. Ohms	Min. °C	Max. Ohms	Max. °C	Average °C		
1	Temperature	Deep	95.94	-10.36	95.98	-10.28	-10.306	LS	0.28
			95.96	-10.33	95.98	-10.27	-10.315	RZ	0.28
2	Temperature	Normal	101.73	4.42	101.75	4.49	4.469	UZ	0.31
			101.75	4.48	101.77	4.54	4.495	MZ	0.31
			101.78	4.56	101.81	4.63	4.577	LZ	0.31

- (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) Calibrations are carried out without any adjustment or repair.

RC - Device Under Calibration N.S. - Not Specified N.A. - Not Applicable Std. - Standard Min. - Minimum
Mx - Maximum LZ - Left Side RS - Right Side UZ - Upper Zone MZ - Middle Zone LZ - Lower Zone

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

Calibrated by:
Calibration Engineer
Measure Techno Lab
Calibration Engineer

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