



# MEASURE TECHNO LAB

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

Phone : 033 - 2215 - 0032, 2215 - 9607, 8100875519, Mobile: 9831190974,  
LAB: 8100143376, E-mail: measuretechno@yahoo.co.in



## CALIBRATION CERTIFICATE OF REFRIGERATOR

1.1 Calibration Certificate No.: MTL / D / R12 / 06 - 23  
1.2 Service Request No.: MTL / 14F / 06 / 22 - 23

ULR - CC254523000016739F

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1.3 Issued to: M/s. Diagnostics,  
190B, Rashbehari Avenue,  
Kolkata - 700029.

1.4 Description &  
Identification of Item  
to be Calibrated:

a) Name:	Refrigerator	b) Code No.:	DIA / BIO / 12
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		

1.5 Date of receipt of item : 14-06-23  
 1.6 Date of calibration : 14-06-23  
 1.7 Date of Issue : 16-06-23  
 1.8 Environmental Conditions During Calibration:

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

Temperature: 25.5 °C  
 Humidity: 65.6 % 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 - 2022 - 1468 (JRPM, Chennai) (Cal. Date: 25/08/22, Due Date: 24/08/23)

ii) ISTD (PT - 500) Cal. Certificate No. TL / 022 / 1166.2.1

(TEMPSENS, Udaipur) (Cal. Date: 19/10/22, 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	96.03	-10.15	96.07	-10.03	-10.076	LS	0.28
			96.02	-10.17	96.07	-10.05	-10.125	RZ	0.28
2.	Temperature	Normal	102.19	5.62	102.23	5.71	5.679	UZ	0.31
			102.18	5.57	102.19	5.62	5.580	MZ	0.31
			102.16	5.52	102.21	5.65	5.567	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.

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

Calibration Engineer  
 Measure Techno Lab  
 Kolkata  
 Calibration Engineer

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

Form No. - MTL/22/2006

Issue No. : 2 Issue Date : 10.11.06

Rev. No. : 04 Rev. Date : 01.04.22