

CALIBRATION CERTIFICATE

SUBJECT: CALIBRATION OF REFRIGERATOR	CERTIFICATE NO.: ML/THE/0919/01/2022-23	
	Certificate Issue Date 19/03/2023	Page 1 of 1



1. **Scope** Calibration
- 1.1 **Service Request Details** ML/0919/22-23
- 1.1.1 **Service Request No.** 16/03/2023
- 1.1.2 **Service Request Finalized On** CC266423000007092F
- 1.1.3 **Unique Lab Report Number (ULR No.)** Thermal / Temperature
- 1.1.4 **Discipline / Group** HEER LAB
- 1.1.5 **Name & Address of Organization** 116-120, National Plaza, Opp. Ayurvedic College, Above Kabir Resturant, Station Road, Surat, Gujarat, India, 395003.

- 1.2 **Item Details** Working
- 1.2.1 **Condition of the Item** Working

1.2.2 Nomenclature	Refrigerator	Model No.	---
Manufacturer	VIDEOCON	Sr.No.	---
ID No.	Refrigerator-01	Type	Digital
Range	2 to 8 °C	Accuracy	--
Least Count	1 °C	Location	MICROBIOLOGY
Department	---		

- 1.3 **Item Received On** Dt. 17/03/2023 Onsite

1.4 Details of Test Equipments Used	Instrument Name	UID No.	Certificate No.	Make	Due Date
	RTD Sensor With Read Out	ML/RTD/005 & ML/MPC/001	ML/THE/838/1/2022-23	Sens.:----- / Indi.: Fluke	02/06/2023


- 1.4.1 **Operating Procedures Used:** ML/SOP/THE/006
- 1.4.2 **Reference Standard:** DKD-R5-7
- 1.5 **Date of Calibration:** 17-March-2023
- 1.6 **Recommended Due Date of Calibration:** 16-March-2024

- 1.7 **OBSERVATIONS:**
- 1.7.1 **Site Ambient:** Temperature: 25.5 °C (25±10) Humidity: 51 %RH (50±20)
- 1.7.2 **Parameter:** Temperature (°C)

CALIBRATION RESULTS					
Sr. No.	Calibration Point	Set Value on IUC (A)	Measured Value on Master (B)	Error (A - B)	(±) Expanded Uncertainty
1	2.00	2	1.98	0.02	0.403 °C
2	5.00	5	4.94	0.06	0.403 °C
3	8.00	8	7.90	0.10	0.403 °C

Note: The value mentioned above is the mean of 3 readings.

- 1.8 **General Remarks:**
- The reported uncertainty is the expanded uncertainty in measurement obtained by multiplying the standard uncertainty by the coverage factor k=2, which corresponds to a coverage probability of approximately 95.45% for a normal distribution.
 - Uncertainty to be calculated at Max Error / Full Range of IUC
 - Any anomalies/Discrepancies in the certificate should be brought to our notice within 30 days from the date of issue Certificate.
 - IUC* (Instrument Under Calibration)
 - The Measurements are metrologically traceable to applicable national /International Standards.
 - Any hand written corrections (except @) or photocopies of the report Invalidates this certificate.
 - The results related to the item calibrated.

Calibrated By: Ashvin Patel, Calibration Engineer  Ranjit Rohit / Hitesh Patel Technical Director / Quality Manager	AUTHORISED SIGNATORY End of Certificate
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