

CALIBRATION CERTIFICATE

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



1. **SCOPE**
- 1.1 **Service Request Details**
- 1.1.1 **Service Request No.** Calibration
ML/0919/22-23
- 1.1.2 **Service Request Finalized On** 16/03/2023
- 1.1.3 **Unique Lab Report Number (ULR No.)** CC266423000007095F
- 1.1.4 **Discipline / Group** Thermal / Temperature
- 1.1.5 **Name & Address of Organization** HEER LAB
116-120, National Plaza, Opp. Ayurvedic College, Above Kabir Restaurant, Station Road, Surat, Gujarat, India, 395003.

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

1.2.2	Nomenclature	Refrigerator		
	Manufacturer	DEEPEE	Model No.	DPR-904
	ID No.	Refrigerator-03	Sr.No.	---
	Range	2 to 8 °C	Type	Digital
	Least Count	0.1 °C	Accuracy	---
	Department	---	Location	LABORATORY

- 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	2.0	1.97	0.03	0.403 °C
2	5.00	5.0	4.93	0.07	0.403 °C
3	8.00	8.0	7.91	0.09	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

AUTHORISED SIGNATORY

Ranjit Rohit / Hitesh Patel
Technical Director / Quality Manager

*** End of Certificate ***

Doc. No. Form-21, Amend. 05 Dt.. 01-01-2022