

CALIBRATION CERTIFICATE

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|---|--|-------------|
| SUBJECT: CALIBRATION OF REFRIGERATOR | CERTIFICATE NO.: ML/THE/0919/04/2022-23 | |
| | Certificate Issue Date 19/03/2023 | Page 1 of 1 |

1. Scope

- 1.1 Service Request Details
- 1.1.1 Service Request No.
- 1.1.2 Service Request Finalized On
- 1.1.3 Unique Lab Report Number (ULR No.)
- 1.1.4 Discipline / Group
- 1.1.5 Name & Address of Organization

Calibration
ML/0919/22-23
16/03/2023
CC266423000007097F
Thermal / Temperature
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 | SAMSUNG | Model No. | --- |
| ID No. | Refrigerator-04 | Sr.No. | --- |
| Range | 2 to 8 °C | Type | Digital |
| Least Count | 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: 25.6 °C (25±10)

Humidity: 51 %RH (50±20)

1.7.2 Parameter:

Temperature (°C)

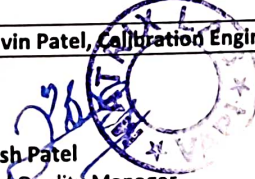
1.7.3

| 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 | 1.97 | 0.03 | 0.403 °C |
| 2 | 5.00 | 5 | 4.93 | 0.07 | 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.

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

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