



Sarvashree

L-95, 5th Cross, 1st Main, Kirloskar Colony 3rd Stage,
Water Tank Road, Basaveshwaranagar, Bangalore-560079.
+91 080-2322 3936, 96633 04352
calibration@sarvashree.com
www.sarvashree.com



NABL Accredited Calibration Lab as per ISO/IEC 17025 : 2017 with vide Certificate No: CC-2291

CALIBRATION CERTIFICATE

SS/ FF-20/THM-07

Page 1 of 2

1 Name and Address of Customer : M/s. B M Diagnostics.,
SFCSFC Building, 1st Man, TG Extension,
Hoskote Town - 562114.

2 Customer Reference

2.1 SRF No : A2294
2.2 Certificate No. : SS/23/A2294-01
2.3 Date of Calibration : 14 April 2023
2.4 Next Calibration Due : 12 April 2024

Dated : 14 April 2023
ULR No. : CC229123000004941F
Date of Issue : 15 April 2023

3 Details Of Device Under Calibration(DUC).

3.1 Nomenclature : Refrigerator
3.2 Make : L G
3.3 Sl.No : 302NRYE074626
3.4 No.of Pages : 2
3.5 Calibration Procedure No. : SOP-THM-07
3.6 DUC Condition : Satisfactory
3.7 Calibration done at : Onsite
3.8 Discipline - Group : Thermal

Model : GL - 254VEG4
ID. No. : --
Range : -20°C & 0 to 10°C
LC : 0.1°C
Location : Lab

4 Environmental Condition

Temperature 25.5 °C Humidity 42 %RH

5 Standards Used for calibration

| Sl. No. | Nomenclature | Make & Model | Sl. No | Traceable Cert. No. | Validity |
|---------|------------------------------|----------------------------------|-----------|---------------------|-----------|
| 1 | RTD Sensors With Data Logger | Tempco/Brainchild & PT 100/ PR20 | 18B290020 | TMS/23/39-01 | 11-Mar-24 |

6 Note:


6.1. Kindly refers to Note(s) section mentioned as below.

Calibrated By


Shashank B M
(Calibration Engineer)



Authorized By


Noushad N
(Lab In-Charge)

NOTE: 1. Measurement Uncertainty reported is at approx 95.45% confidence level with coverage factor k=2, 2. Publication or reproduction of this Certificate in any form other than by complete set of the whole report & in the language, written, is not permitted without the written consent of Sarvashree. 3. The Calibration Certificate relates only to the above DUC. DUC Indicates Device Under Calibration., 4. Corrections/Erasing invalidate the calibration certificate. 5. All Standards / Masters used for calibration are traceable to National / International Standards. 6. Any error in this cert should be brought to our knowledge within 45 days from the date of this certificate. 7. Results reported are valid at the time of and under stated conditions of measurements. 8. Conformity statement is given only when requested by the customer. 9. NABL-133 Guidelines are adopted for use of NABL Symbol.

Certificate No. SS/23/A2294-01 ULR No. : CC229123000004941F Page No. : 2 of 2

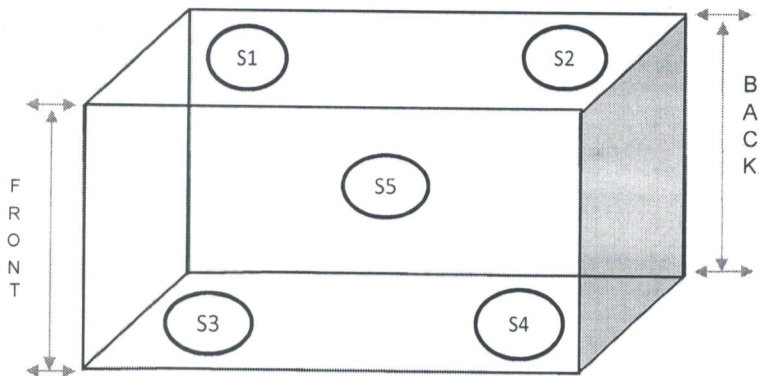
Results :-

Temperature Verification :-

Freezer Range : -20 °C
 Refrigerator Range : 0 to 10 °C
 LC : 0.1 °C

| Sl. No. | Set Position in °C | DUC Reading in °C | Average Standard Readings in °C | | | | | Uniformity in ± °C |
|---------|--------------------|-------------------|---------------------------------|-------|-------|-------|-------|--------------------|
| | | | S1 | S2 | S3 | S4 | S5 | |
| 1 | -20 | -20.1 | -20.4 | -20.3 | -20.4 | -20.2 | -20.3 | 0.1 |
| 2 | -18 | -18.5 | -18.9 | -18.8 | -18.7 | -18.9 | -18.8 | 0.2 |
| 3 | -17 | -17.2 | -17.5 | -17.9 | -17.8 | -17.7 | -17.5 | 0.4 |
| 4 | 2 | 2.0 | 2.2 | 2.4 | 1.9 | 2.3 | 2.1 | 0.5 |
| 5 | 4 | 4.1 | 4.6 | 4.3 | 4.9 | 4.7 | 4.9 | 0.6 |
| 6 | 8 | 8.6 | 9.1 | 8.9 | 8.4 | 9.1 | 8.8 | 0.7 |

Pictorial Representation of Insertion of Sensors in Refrigerator



Note :

- 1 S Indicates Placement of Standard Sensor.
- 2 Calibration Points given as per customer request.

Conclusion / Remarks :-

- 1 Measurement Uncertainty ± 1.9 °C reported is at 95.45% confidence level With k = 2. at max Temperature.
- 2 DUC Indicates Device Under Calibration.
- 3 DUC Condition : OK


Calibrated By


 Shashank B M
 (Calibration Engineer)



*****End of Certificate*****

Authorized By


 Houshad N
 (Lab In-Charge)



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CALIBRATION CERTIFICATE

SS/FF-20/v1

Page 1 of 2

1 Name and Address of Customer : M/s. B M Diagnostics.,
SFCSCFC Building, 1st Man, TG Extension,
Hoskote Town - 562114.

2 Customer Reference

2.1 SRF No : A2294 Dated : 14 April 2023
2.2 Certification No. : SS/23/A2294-02 ULR No : CC229123000004942F
2.3 Date of Calibration : 14 April 2023 Date of Issue : 15 April 2023
2.4 Next Calibration Due : 13 April 2024

3 Details Of Unit Under Calibration(UUC).

3.1 Nomenclature : Centrifuge Model : R- 4C
3.2 Make : REMI ID. No. : --
3.3 Sl.No : ABLC - 340 Range : 0 to 5000 RPM / 1 to 60 min
3.4 No.of Pages : 2 LC : 1 RPM / 1 min
3.5 Calibration Procedure No. : SOP-MSC-07 ,ET-28 Location: Lab
3.6 DUC Condition : Satisfactory
3.7 Calibration done at : Onsite
3.8 Discipline - Group : Mechanical - Acceleration & Speed , Electro - Technical

4 Environmental Condition

4.1 Temperature 25.3 °C Humidity 43 %Rh

5 Standards Used for calibration

| Sl. No. | Nomenclature | Make & Model | Sl. No | Traceable Cert. No. | Validity |
|---------|--------------------|--------------|---------|---------------------|-----------|
| 1 | Digital Tachometer | Lutron | Q652908 | TVCSPL 23/01/109-01 | 20-Jan-24 |
| 2 | Digital Timer | RACER | -- | CC2201445/1 | 22-Jul-23 |

6 Note:

6.1. Kindly refer to Note(s) Section mentioned as below.

Calibrated By

Shashank B M
(Calibration Engineer)



Authorised By

Sanath K S
(Lab In-Charge)

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Results :

Range : 0 to 5000 RPM

LC : 1 RPM

| SI No. | DUC Set | DUC Reading | Standard Readings | Deviation Observed | Expanded Uncertainty Ue |
|--------|---------|-------------|-------------------|--------------------|-------------------------|
| | in RPM | in RPM | in RPM | in RPM | in \pm RPM% |
| 1 | 500 | 500 | 500.2 | -0.2 | 0.90 |
| 2 | 1000 | 1000 | 1001 | -1 | 0.90 |
| 3 | 2000 | 2000 | 2001 | -1 | 0.90 |
| 4 | 3000 | 3000 | 3002 | -2 | 0.90 |
| 5 | 5000 | 5000 | 5003 | -3 | 0.90 |

Timer

Range : 0 to 60 min

L.C: 1 min


| * | Parameter | DUC Reading | Standard Reading in min:sec:1/100s | Observed Deviation min:sec:1/100s | Measurement Uncertainty \pm |
|---|---------------|-------------|------------------------------------|-----------------------------------|-------------------------------|
| | Digital Timer | 1 min | 01:00:19 | 00:00:19 | 0.56 % |
| | | 10 min | 10:00:21 | 00:00:21 | 0.56 % |
| | | 15 min | 15:00:23 | 00:00:23 | 0.56 % |
| | | 30 min | 30:00:26 | 00:00:26 | 0.56 % |
| | | 60 min | 60:00:29 | 00:00:29 | 0.56 % |

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(Calibration Engineer)



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*****End of Certificate*****