



CERTIFICATE OF CALIBRATION



COMMITTED TO THE CUSTOMER SINCE - 1996

No. 301/A, 9th Main Road, 3rd Cross, Rajiv Gandhi Nagar, J.B. Kaval, Nandhini Layout Post, Bangalore - 560 096.
Ph : 080-23377266, Mob : 9986586789 / 9632221171 / 9964308118 | Email : info@viplgroup.com Web : www.viplgroup.com

NABL Accredited Calibration Lab as per ISO/IEC 17025 : 2017 With vide Certificate No: CC-2473

1 Name and Address of the Customer

M/s.: Central Laboratory, BGS Medical College Hospital,
Nagarur, Dasanapura Hobli,
Bangalore North - 562 123.

2 Customer Reference

- 2.1 ULR No. : CC247324500058959F
- 2.2 SRF No. : 1281
- 2.3 Certificate No. : VI/24-25/1281-07
- 2.4 Format No. : VI-FRM-TH-006
- 2.5 Date of issue : 30-06-2024

3 Details Of Device Under Calibration(DUC).

- 3.1 Nomenclature : Temperature Indicator with Sensor of Deep Freezer
- 3.2 Make / Model : Bluestar / CHFS D200-DHPW
- 3.3 Id.No. / Sl. No. : BGS/DF-01 / D30634067690000214
- 3.4 Range / Resolution : 0 to -20°C / 1°C
- 3.5 DUC Condition : Satisfactory
- 3.6 Calibration Procedure No. : SOP-38-06
- 3.7 No.of Pages : 2
- 3.8 Calibration Date : 28-06-2024
- 3.9 Calibration Due : 27-06-2025
- 3.10 Calibration done at : Onsite
- 3.11 Instrument Location : Central Laboratory
- 3.12 Discipline : Thermal

4 Environmental Condition

Temperature 23.4 - 25.2°C Humidity 50 - 60 %RH

5 Standards Used for Temperature Calibration

Sl. No.	Nomenclature	Make & Model	Id. No.	Cal Agency	Certificate No.	Validity
1	Paperless Recorder	Brain Child & PR-20	VI/OS/PR-06	VI, Bangalore	VI/24-25/INT-ET-424	11-10-2024
2	RTD Sensor	Frontier & NA (Type : PT100)	VI-RTD-01	VI, Bangalore	VI/23-24/INT-TH-100-01	12-08-2024

6 Note:

- 6.1. The Calibration Certificate relates only to the above DUC
- 6.2. 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 VI.
- 6.3. Corrections/erasing, invalidate the Calibration Certificate.
- 6.4. Calibration of the DUC are traceable to National standards/International Standards
- 6.5. Any error in this Certificate should be brought to our knowledge within 30 days from the date of this Cert.
- 6.6. Results Reported are valid at the time of and under the stated conditions of measurements.
- 6.7 The usage of NABL Symbol is as per NABL guidelines given in NABL-133

Calibrated By

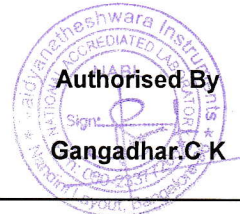
Rahul
Rahul

(Calibration Engineer)

Checked By

F. Umesh D
Umesh D

(Onsite In-Charge)





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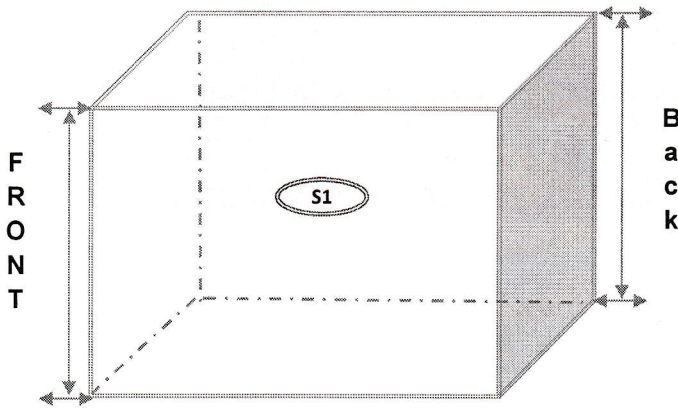
Results:

Range: 0 to -20°C

Resolution : 1°C

Sl. No.	STD Reading (°C)	DUC Reading (°C)	Error Observed (°C)	Measurement Uncertainty ± (°C)	k Factor
1	-18.1	-18	0.1	0.732	2.0
2	-19.2	-19	0.2	0.732	2.0
3	-20.2	-20	0.2	0.732	2.0

Pictorial Representation of Sensors Placement



Note :

1. S1 Indicates Placement of Standard Sensor

Conclusion / Remarks:

- 1 Measurement Uncertainty reported is at 95.45% confidence level with k = 2.

Calibrated By

Rahul
Rahul

(Calibration Engineer)

Checked By

f. kanya
Umesh-D

(Onsite In-Charge)

Authorised By

Gangadhar C.K
Gangadhar C.K

