



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 Certificate No: CC-2473

1 Name and Address of the Customer

M/s.: HCLOUD Healthcare Centre,
161B, 6th Main, 3rd Phase,
JP Nagar, Bengaluru - 560 078.

2 Customer Reference

2.1 ULR No : CC247323500097995F
2.2 SRF No. : 3213
2.3 Certificate No. : VI/23-24/3213-01
2.4 Format No. : VI-FRM-TH-006
2.5 Date of issue : 04-12-2023

3 Details Of Device Under Calibration(DUC).

3.1 Nomenclature : Temperature Indicator with sensor of Refrigerator
3.2 Make : LG
3.3 Id.No. : HHC/REF-01
3.4 Range / Resolution : 2 to 8 °C / 0.1 °C
3.5 DUC Condition : Satisfactory
3.6 Calibration Procedure No. : SOP-38-06
3.7 No.of Pages : 2
3.8 Calibration Date : 01-12-2023
3.9 Calibration Due : 30-11-2024
3.10 Calibration done at : Onsite
3.11 Discipline : Thermal
3.12 Instrument Location : Lab

4 Environmental Condition

Temperature 25.5 - 27.2°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-10	VI Bangalore	VI/22-23/INT-ET-426	27-03-2024
2	RTD Sensor	Frontier & ----	VI-RTD-01	VI, Bangalore	VI/23-24/INT-TH-100-01	13-02-2024

6 Note:

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

Calibrated By

Checked By

Authorised By

Madhusudhan

Umesh D

Gangadhar C.K

(Calibration Engineer)

(Onsite In Charge)





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Certificate No. VI/23-24/3213-01

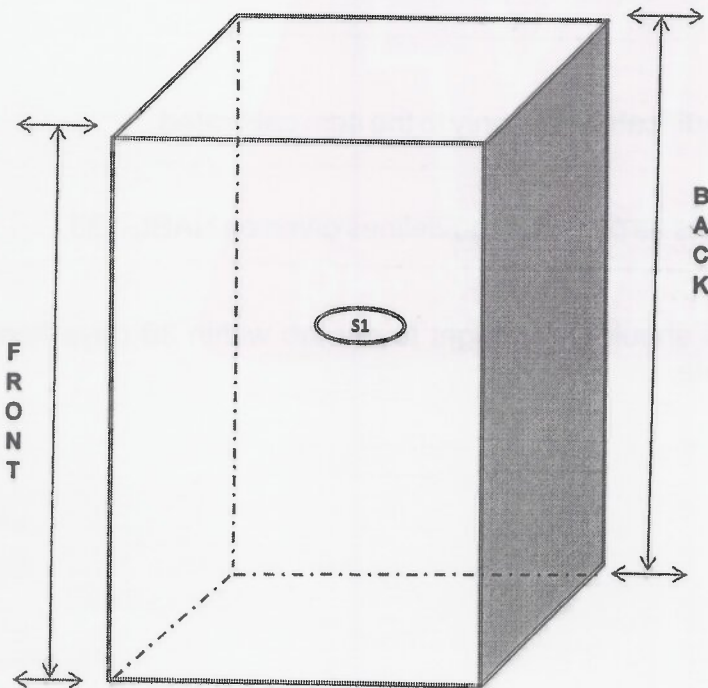
Page: 2 of 2

Results:

Range / Resolution : 2 to 8 °C / 0.1 °C

Sl.No.	STD Reading (°C)	DUC Set (°C)	Error Observed (°C)	Measurement Uncertainty ± (°C)	k Factor
1	2.0	2.0	0.0	0.732	2.0
2	4.0	4.0	0.0	0.732	2.0
3	6.0	6.0	0.0	0.732	2.0
4	6.9	7.0	0.1	0.732	2.0
5	7.9	8.0	0.1	0.732	2.0

Pictorial Representation of Sensors Placement




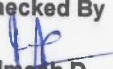
Note :

1. S1 Indicates Placement of Standard Sensor

Conclusion / Remarks:

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

Calibrated By

 Madhusudhan
 (Calibration Engineer)

Checked By

 Umesh D
 (Onsite In Charge)





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1 Name and Address of the Customer

M/s.: HCLOUD Healthcare Centre,
161B, 6th Main, 3rd Phase,
JP Nagar, Bengaluru - 560 078.

2 Customer Reference

2.1 ULR No : CC247323500097996F
2.2 SRF No. : 3213
2.3 Certificate No. : VI/23-24/3213-02
2.4 Format No. : VI-FRM-TH-006
2.5 Date of issue : 04-12-2023

3 Details Of Device Under Calibration(DUC).

3.1 Nomenclature : Temperature Indicator with sensor of Deep Freezer
3.2 Make : LG
3.3 Id.No. : HHC/DF-01
3.4 Range / Resolution : -18 to -22 °C / 0.1 °C
3.5 DUC Condition : Satisfactory
3.6 Calibration Procedure No. : SOP-38-06
3.7 No.of Pages : 2
3.8 Calibration Date : 01-12-2023
3.9 Calibration Due : 30-11-2024
3.10 Calibration done at : Onsite
3.11 Discipline : Thermal
3.12 Instrument Location : Lab

4 Environmental Condition

Temperature 25.5 - 27.2°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-10	VI Bangalore	VI/22-23/INT-ET-426	27-03-2024
2	RTD Sensor	Frontier & ----	VI-RTD-01	VI, Bangalore	VI/23-24/INT-TH-100-01	13-02-2024

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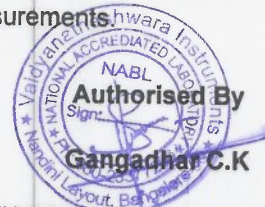
Calibrated By

Checked By

Authorised By

Madhusudhan
(Calibration Engineer)

Umesh D
(Onsite In Charge)





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Certificate No. VI/23-24/3213-02

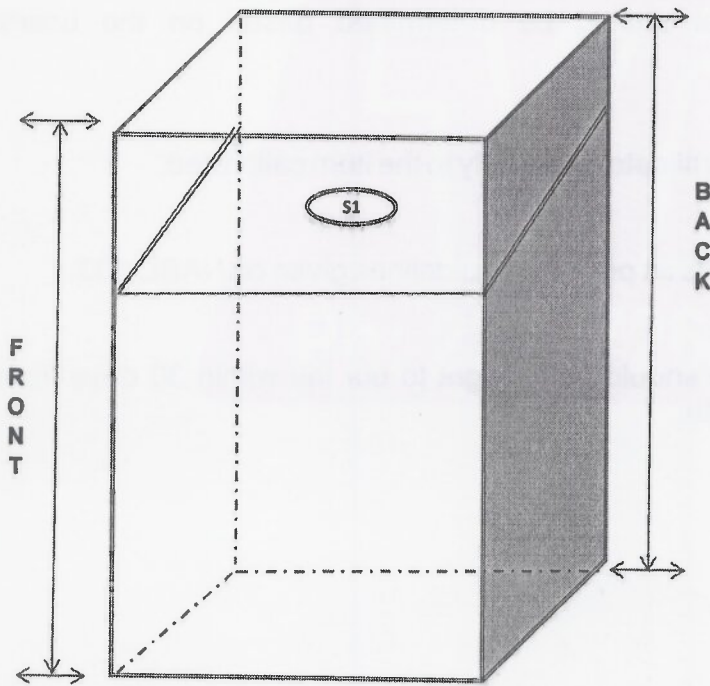
Page: 2 of 2

Results:

Range / Resolution : -18 to -22 °C / 0.1 °C

Sl.No.	STD Reading (°C)	DUC Set (°C)	Error Observed (°C)	Measurement Uncertainty ± (°C)	k Factor
1	-18.0	-18.0	0.0	0.732	2.0
2	-19.0	-19.0	0.0	0.732	2.0
3	-19.9	-20.0	-0.1	0.732	2.0
4	-21.9	-22.0	-0.1	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

Madhusudhan
Madhusudhan
(Calibration Engineer)

Checked By

Umesh D
Umesh D
(Onsite in Charge)





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1 Name and Address of the Customer

M/s: HCLOUD Healthcare Centre,
161B, 6th Main, 3rd Phase,
JP Nagar, Bengaluru - 560 078.

2 Customer Reference

- 2.1 ULR No. : CC247323500097997F
- 2.2 SRF No : 3213
- 2.3 Certificate No. : VI/23-24/3213-03
- 2.4 Format No. : VI-FRM-ET-011 & VI-FRM-ME-060
- 2.5 Date of issue : 04-12-2023

3 Details Of Device Under Calibration(DUC).

- 3.1 Nomenclature : Centrifuge
- 3.2 Make / Model : Remi / R-8C
- 3.3 Id.No. : HCC/CF-01
- 3.4 DUC Condition : Satisfactory
- 3.5 Calibration Procedure No. : SOP-37-11 & SOP-16-55
- 3.6 No.of Pages : 2
- 3.7 Calibration Date : 01-12-2023
- 3.8 Calibration Due : 30-11-2024
- 3.9 Calibration done at : Onsite
- 3.10 Instrument Location : Lab
- 3.11 Discipline : Electro-Technical & Mechanical

4 Environmental Condition

Temperature 25.4 to 27.6 °C Humidity 50 to 60 %RH

5 Standards Used for calibration

Sl. No.	Nomenclature	Make & Model	Sl. No. / ID.No.	Cal Agency	Certificate No.	Validity
1	Time Totalizer	Beltronics & 501	251	VI, Bangalore	VI/22-23/INT-ETH-426	20-02-2024
2	Digital Tachometer	Mextech & DT-2234C	S035540 / VI/OS/DTCM/01	VI, Bangalore	VI/23-24/INT-ME-501	13-10-2024

6 Notes:

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- 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
[Signature]
Madhusudhan
(Calibration Engineer)

Checked By
[Signature]
Umesh D
(Onsite in-Charge)





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Certificate No. VI/23-24/3213-03

Page No: 2 of 2

Results:

Timer Results:

Range / Resolution : 0 to 99 min / 1 min

Sl. No.	Std Reading (hr:min:sec:msec)	DUC Reading (min)	Error Observed (hr:min:sec:msec)	Measurement Uncertainty in (±) (%)	k Factor
1	00:00:00:000	0	00:00:00:000	---	---
2	00:02:00:013	2	-00:00:00:013	0.05	2.0
3	00:05:00:025	5	-00:00:00:025	0.05	2.0
4	00:10:00:058	10	-00:00:00:058	0.05	2.0
5	00:30:00:075	30	-00:00:00:075	0.05	2.0
6	01:00:00:096	60	-00:00:00:096	0.05	2.0
7	01:35:00:113	95	-00:00:00:113	0.05	2.0

RPM Results:

Range / Resolution : 10 to 5250 RPM / 10 RPM

Sl. No.	Range.	DUC Reading (RPM)	STD Reading (RPM)	Error Observed (RPM)	Measurement Uncertainty in ± (%)	k Factor
1	10 to 5250 RPM	100	100.1	-0.1	5.833	2.0
2		500	500.3	-0.3		2.0
3		1000	1000.5	-0.5		2.0
4		2300	2300.8	-0.8		2.0
5		3000	3001.3	-1.3		2.0
6		5250	5251.7	-1.7		2.0

Conclusion :-

- Measurement uncertainty reported is at 95.45 % confidence level.

Calibrated By

[Signature]

Madhusudhan
(Calibration Engineer)

Checked By

[Signature]

Umesh D
(Onsite In-Charge)



Authorized By

Gangadhar C.K



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Page No.: 1 of 2

1 Name and Address of the Customer

M/s.: HCLOUD Healthcare Centre,
161B, 6th Main, 3rd Phase,
JP Nagar, Bengaluru - 560 078.

2 Customer Reference

2.1 ULR No. : CC247323500097998F
2.2 SRF No. : 3213
2.3 Certificate No. : VI/23-24/3213-04
2.4 Format No. : VI-FRM-ME-038
2.5 Date of Issue : 04-12-2023

3 Details Of Device Under Calibration (DUC).

3.1 Nomenclature : Microscope
3.2 Make / Model : Labomed / Vision 2000
3.3 ID.No. : HHC/MS-01
3.4 Calibration Procedure No./ Ref Doc : SOP-16-34 / ISO 10936-1
3.5 No.of Pages : 2
3.6 Calibration Date : 01-12-2023
3.7 Calibration Due : 30-11-2024
3.8 Calibration Done at : Onsite
3.9 Discipline : Mechanical
3.10 Instrument Location : Lab

4 Environmental Condition

Temperature 22.4 - 24.8 °C Humidity 50 - 55 %RH

5 Standards Used for calibration

Sl. No.	Nomenclature	Make & Model	Sl. No. / ID No.	Cal Agency	Certificate No /	Validity
1	Steel Gauge Block Set	KCP & M122/1	10748 / VI/ME/SGB/002	VI, Bangalore	VI/23-24/INT-ME-209-01	03-11-2024

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Certificate No. VI/23-24/3213-04

Page No.: 2 of 2

Results:

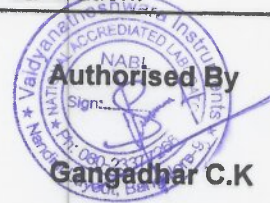
A).CALIBRATION OF MAGNIFICATION		
Sl. No.	REFERENCE MAGNIFICATION	OBSERVED ERROR
1	10 X	0.08%
2	40 X	0.15%
3	100 X	0.24%
Note:		
• Determination of Magnification of Microscope by Comparison method using Steel Gauge Block Set.		
Conclusion:		
Uncertainty of calibration at 95.45 % Confidence level and Coverage Factor $K = 2$: Uncertainty of Measurement : $\pm 0.6 \%$ For Magnification The Reported Results are valid only for the conditions of the received instruments/gauges at the time of and under the stated conditions of the calibration stated conditions of the calibration.		

Calibrated By

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(Calibration Engineer)

Checked By

Umesh D
(Onsite In-Charge)



Authorized By
Sign:
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2 Customer Reference

2.1 ULR No. : CC247323500097999F
2.2 SRF No. : 3213
2.3 Certificate No. : VI/23-24/3213-05
2.4 Format No. : VI-FRM-ME-038
2.5 Date of Issue : 04-12-2023

3 Details Of Device Under Calibration (DUC).

3.1 Nomenclature : **Microscope**
3.2 Make / Model : Olympus / CX21i
3.3 ID.No. : HHC/MS-02
3.4 Calibration Procedure No./ Ref Doc : SOP-16-34 / ISO 10936-1
3.5 No.of Pages : 2
3.6 Calibration Date : **01-12-2023**
3.7 Calibration Due : **30-11-2024**
3.8 Calibration Done at : Onsite
3.9 Discipline : Mechanical
3.10 Instrument Location : Lab

4 Environmental Condition

Temperature 22.4 - 24.8 °C Humidity 50 - 55 %RH

5 Standards Used for calibration

Sl. No.	Nomenclature	Make & Model	Sl. No. / ID No.	Cal Agency	Certificate No /	Validity
1	Steel Gauge Block Set	KCP & M122/1	10748 / VI/ME/SGB/002	VI, Bangalore	VI/23-24/INT-ME-209-01	03-11-2024

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Page No.: 2 of 2

Results:

A).CALIBRATION OF MAGNIFICATION		
SI. No.	REFERENCE MAGNIFICATION	OBSERVED ERROR
1	10 X	0.12%
2	40 X	0.18%
3	100 X	0.22%

Note:

- Determination of Magnification of Microscope by Comparison method using Steel Gauge Block Set.

Conclusion:

Uncertainty of calibration at **95.45 %** Confidence level and Coverage Factor $K = 2$:
 Uncertainty of Measurement : **± 0.6 % For Magnification**

The Reported Results are valid only for the conditions of the received instruments/gauges at the time of and under the stated conditions of the calibration stated conditions of the calibration.

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