



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

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

1 Name and Address of the Customer

M/s.: PATHOCON DIAGNOSTICS.,
10/A-1, 1st 'R' Block Rajaji Nagar,
Near Mahalakshmi Metro Station Bengaluru - 560 010.

2 Customer Reference

2.1 ULR No : CC247324500092305F
2.2 SRF No. : 2867
2.3 Certificate No. : VI/24-25/2867-01
2.4 Format No. : VI-FRM-TH-006
2.5 Date of issue : 05-10-2024

3 Details Of Device Under Calibration(DUC).

3.1 Nomenclature : Temperature Indicator with sensor of Refrigerator
3.2 Make : Godrej
3.3 Id.No. : 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 : 01-10-2024
3.9 Calibration Due : 30-09-2025
3.10 Calibration done at : Onsite
3.11 Discipline : Thermal
3.12 Instrument Location : Lab

4 Environmental Condition

Temperature 22.5 - 25.2°C Humidity 50 - 55 %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-09	VI, Bangalore	VI/24-25/INT-ET-411	15-10-2024
2	RTD Sensor	Frontier / ----	VI-RTD-01	VI, Bangalore	VI/24-25/INT-TH-100-01	11-02-2025

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. The Master's used for the Calibration are Traceable to National / International Standards, under known Chain of Traceability.
- 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

Madhusudhan
(Calibration Engineer)

Checked By

Umesh D
(Onsite In Charge)





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Certificate No. VI/24-25/2867-01

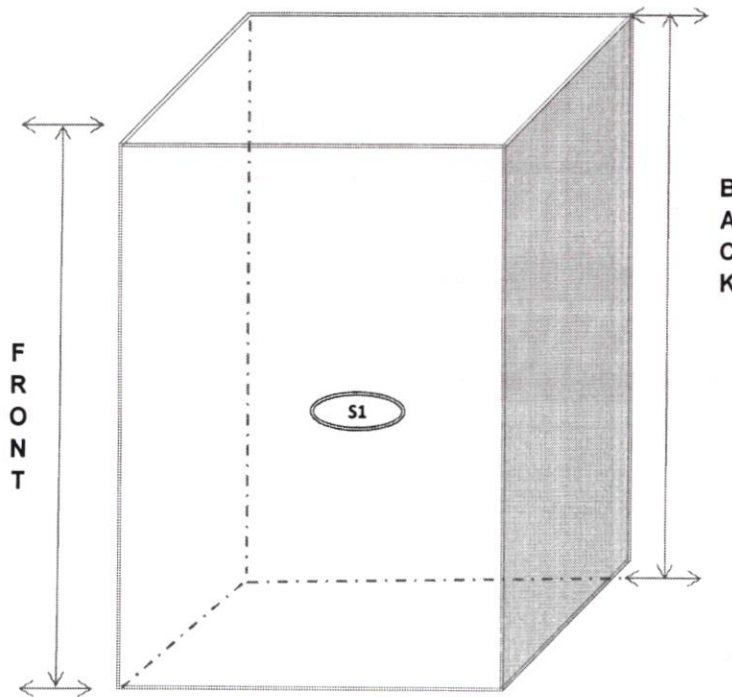
Page: 2 of 2

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	0.082	2.0
2	4.1	4.0	-0.1	0.082	2.0
3	6.1	6.0	-0.1	0.082	2.0
4	8.2	8.0	-0.2	0.082	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)



End of Calibration Certificate

CERTIFICATE OF CALIBRATION



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Page 1 of 2

1 Name and Address of the Customer

M/s: PATHOCON DIAGNOSTICS.,
10/A-1, 1st 'R' Block Rajaji Nagar,
Near Mahalakshmi Metro Station Bengaluru - 560 010.

2 Customer Reference

2.1 ULR No. : CC247324500092306F
2.2 SRF No : 2867
2.3 Certificate No. : VI/24-25/2867-02
2.4 Format No. : VI-FRM-ME-060
2.5 Date of issue : 05-10-2024

3 Details Of Device Under Calibration(DUC).

3.1 Nomenclature : Centrifuge
3.2 Make : REMI
3.3 SI.No. / ID.No. : ZIBN-09750 / CF-01
3.4 DUC Condition : Satisfactory
3.5 Calibration Procedure No. : SOP-16-42
3.6 No.of Pages : 2
3.7 Calibration Date : 01-10-2024
3.8 Calibration Due : 30-09-2025
3.9 Calibration done at : Onsite
3.10 Instrument Location : Lab
3.11 Discipline : 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	Digital Tachometer	Mextech / DT-2234C	S035540 / VI/OS/DTCM/01	VI, Bangalore	VI/23-24/INT-ME-501	13-10-2024

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Madhusudhan

(Calibration Engineer)

Checked By



Umesh D

(Onsite In-Charge)

Authorized By



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

Certificate No. VI/24-25/2867-02

Page No: 2 of 2

Results :

RPM Results :

Range : 0 to 3500 RPM

Sl. No.	Range	DUC Reading (RPM)	STD Reading (RPM)	Error Observed (RPM)	Measurement Uncertainty in (±) (RPM)	k Factor
1	0 to 3500 RPM	1000	1001	-1	0.0583	2.0
2		2000	2003	-3		2.0
3		3000	3005	-5		2.0
4		3500	3507	-7		2.0

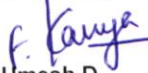
Conclusion :-

1. Measurement uncertainty reported is at 95.45 % confidence level.

Calibrated By


Madhusudhan
(Calibration Engineer)

Checked By


Umesh D
(Onsite In-Charge)



*** End of Calibration Certificate ***



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1 Name and Address of the Customer

M/s: PATHOCON DIAGNOSTICS.,
10/A-1, 1st 'R' Block Rajaji Nagar,
Near Mahalakshmi Metro Station Bengaluru - 560 010.

2 Customer Reference

2.1 ULR No. : CC247324500092307F
2.2 SRF No : 2867
2.3 Certificate No. : VI/24-25/2867-03
2.4 Format No. : VI-FRM-ME-060
2.5 Date of issue : 05-10-2024

3 Details Of Device Under Calibration(DUC).

3.1 Nomenclature : Centrifuge
3.2 Make : REMI
3.3 SI.No. / ID.No. : ZJEN-16354 / CF-02
3.4 DUC Condition : Satisfactory
3.5 Calibration Procedure No. : SOP-16-42
3.6 No.of Pages : 2
3.7 Calibration Date : 01-10-2024
3.8 Calibration Due : 30-09-2025
3.9 Calibration done at : Onsite
3.10 Instrument Location : Lab
3.11 Discipline : 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	Digital Tachometer	Mextech / DT-2234C	S035540 / VI/OS/DTCM/01	VI, Bangalore	VI/23-24/INT-ME-501	13-10-2024

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Certificate No. VI/24-25/2867-03

Page No: 2 of 2

Results :

RPM Results :

Range : 0 to 3500 RPM

Sl. No.	Range	DUC Reading (RPM)	STD Reading (RPM)	Error Observed (RPM)	Measurement Uncertainty in (±) (RPM)	k Factor
1	0 to 3500 RPM	1000	999	1	0.0583	2.0
2		2000	1998	2		2.0
3		3000	2997	3		2.0
4		3500	3495	5		2.0

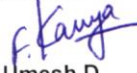
Conclusion :-

1. Measurement uncertainty reported is at 95.45 % confidence level.

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Page No.: 1 of 2

1 Name and Address of the Customer

M/s.: PATHOCON DIAGNOSTICS.,
10/A-1, 1st 'R' Block Rajaji Nagar,
Near Mahalakshmi Metro Station Bengaluru - 560 010.

2 Customer Reference

2.1 ULR No. : CC247324500092308F
2.2 SRF No. : 2867
2.3 Certificate No. : VI/24-25/2867-04
2.4 Format No. : VI-FRM-ME-038
2.5 Date of Issue : 05-10-2024

3 Details Of Device Under Calibration (DUC).

3.1 Nomenclature : **Microscope**
3.2 Make / Model : LABOMED
3.3 SI.No. : 230550529 / 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 : **01-10-2024**
3.7 Calibration Due : **30-09-2025**
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	SI. 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
2	Digital Vernier Caliper	Mitutoyo & --	VI/ME/VC/01 / 0001136	VI, Bangalore	VI/24-25/INT-120-01	06-05-2025

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- 6.7. The usage of NABL Symbol is as per NABL guidelines given in NABL-133

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(Calibration Engineer)

Checked By

Umesh D
(Onsite In-Charge)



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Certificate No. VI/24-25/2867-04

Page No.: 2 of 2

Results:

A). CALIBRATION OF MAGNIFICATION

Sl.No.	NOMINAL VALUE	Standard Slip Gauge Size Used (mm)	Nominal Value (mm)	Observed value	Observed magnification Error in %
1	10 X	10	100	99.98	-0.02%
				99.97	
				99.98	
2	100 X	1	100	99.99	-0.01%
				99.99	
				99.98	

Note:

- Determination of magnifications of microscopes using the comparison method using Gauge Block Set.

Conclusion:

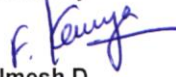
- Uncertainty of calibration at 95.45 % Confidence level and Coverage Factor $k = 2$:
- Uncertainty of Measurement : ± 0.6 % For Magnification
- The Reported Results are valid only for the conditions of the received instruments/gauges at the time of and under the stated conditions of the calibration stated conditions of the calibration.

Calibrated By



Madhusudhan
(Calibration Engineer)

Checked By



Umesh D
(Onsite In-Charge)

Authorised By



Gangadhar C.K



*** End of Calibration Certificate ***

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2.2 SRF No. : 2867
2.3 Certificate No. : VI/24-25/2867-05
2.4 Format No. : VI-FRM-TH-006
2.5 Date of Issue : 05-10-2024

3 Details Of Device Under Calibration(DUC).

3.1 Nomenclature : Temperature Indicator With Sensor of Refrigerator
3.2 Make : LG
3.3 ID.No. : REF-02
3.4 DUC Condition : Satisfactory
3.5 Calibration Procedure No. : SOP-38-06
3.6 No.of Pages : 2
3.7 Calibration Date : 01-10-2024
3.8 Calibration Due : 30-09-2025
3.9 Calibration done at : Onsite
3.10 Instrument Location : Lab
3.11 Discipline : Thermal

4 Environmental Condition

Temperature 25.2 - 27.4 °C Humidity 50 - 60 %RH

5 Standards Used for Temperature Calibration

Sl. No.	Nomenclature	Make / Model	ID. No.	Certificate No / Cal Agency	Validity
1	Paperless Recorder	Brain Child / PR-20	VI/OS/PR-09	VI/24-25/INT-ET-411 / VI, Bangalore	15-10-2024
2	RTD Sensor	Frontier / ----	VI-RTD-01	VI/24-25/INT-TH-100-01 / VI, Bangalore	11-02-2025

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Certificate No. VI/24-25/2867-05

Page: 2 of 2

Results:

Freezer

Range / Resolution: -14 to -24 °C / 0.1 °C

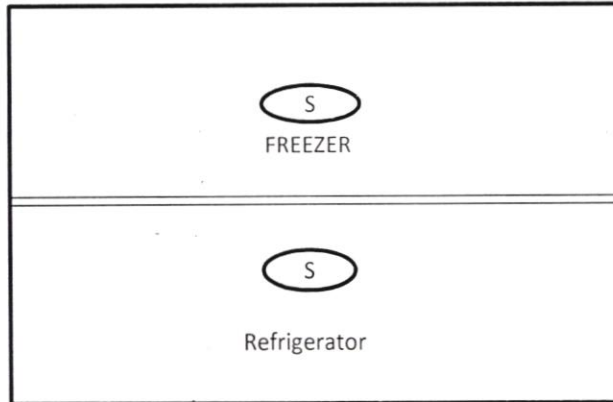
Sl. No.	STD Reading (°C)	DUC Reading (°C)	Error Observed (°C)	Measurement Uncertainty ± (°C)	k Factor
1	-14.1	-14.0	0.1	0.082	2.0
2	-16.1	-16.0	0.1	0.082	2.0
3	-20.2	-20.0	0.2	0.082	2.0
4	-24.2	-24.0	0.2	0.082	2.0

Refrigerator

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

Sl. No.	STD Reading (°C)	DUC Reading (°C)	Error Observed (°C)	Measurement Uncertainty ± (°C)	k Factor
1	2.1	2.0	-0.1	0.082	2.0
2	4.1	4.0	-0.1	0.082	2.0
3	5.1	5.0	-0.1	0.082	2.0
4	6.2	6.0	-0.2	0.082	2.0
5	8.2	8.0	-0.2	0.082	2.0

Pictorial Representation of Sensors Placement



Note :

1. S Indicates Placement of Standard Sensor

Conclusion / Remarks:

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

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(Calibration Engineer)

Checked By

F. Langa

Umesh D

(Onsite-In-Charge)



End of Calibration Certificate