



BHARATH INSTRUMENTS

OFFICE : #36/239, Angappa Naicken Street, Mannady, Chennai - 600 001.

NABL
ACCREDITED
LABORATORY

581

CALIBRATION CERTIFICATE

CERTIFICATE NO: BI/24-01-392

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Date of Issue : 31/01/2024

Receipt Date : 30/01/2024
Calibration Date : 30/01/2024
Recommended Next Due : 29/01/2025

Customer Name & Address

ICTC,
CHC RANGAT.

Details of Device Under Calibration (DUC)

Description : REFRIGERATOR
(Analog Thermometer)
Make & Model : LLOYD &
GLFF282AIST1PB
Sr. No : BI:0392/2024
Identification No : CHC/REFRI/ICTC/REFRI-01
Range : 2 to 8°C
Least Count : 0.1°C
Location :
DUC Condition : Good

Reference Standards Details

Description : Digital Thermometer with Sensor
Make & Model : Yudian & AI5600 /
Aparajit Instruments & PT100
Sr. No : 18E268109 / 266/16- 17
Traceability : PC-11-23/ATL/1863-01
Validity : 28-11-2024

Environmental Conditions Details
Temperature (° C) : 24.4
Relative Humidity (%) : 52

Calibration Procedure Details

Calibration Procedure No : CP-T-08
Calibrated at : ON SITE

CALIBRATION RESULTS

TOP

S.No.	DEVICE UNDER CALIBRATION READINGS	STANDARD INSTRUMENTS READINGS	DEVIATION	EXPANDED UNCERTAINTY (±)
	°C	°C	°C	°C
1	2.0	2.007	-0.007	0.27
2	3.0	3.015	-0.015	0.31
3	4.0	4.024	-0.024	0.4
4	5.0	5.033	-0.033	0.4
5	6.0	6.038	-0.038	0.4
6	7.0	7.044	-0.044	0.4
7	8.0	8.052	-0.052	0.4
MIDDLE				
	°C	°C	°C	°C
1	2.0	2.014	-0.014	0.27
2	3.0	3.025	-0.025	0.31
3	4.0	4.033	-0.033	0.4
4	5.0	5.047	-0.047	0.4
5	6.0	6.053	-0.053	0.4
6	7.0	7.064	-0.064	0.4
7	8.0	8.079	-0.079	0.4

Calibrated By

(Calibration Engineer)



Authorised Signatory

(Quality Manager)

LAB : #33, Jones Street, Mannady, Chennai - 600 001.

E-mail : bharath.electronics4u@yahoo.com / bharathinstruments.electronics@gmail.com
Mob : 98418 21719, 97908 50019, Tel : 044-4352 1719. GSTIN : 33AUVPK5991R1ZD

Dealing Sales, Service, Calibration



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CALIBRATION RESULTS		BOTTOM		
S.No.	DEVICE UNDER CALIBRATION READINGS	STANDARD INSTRUMENTS READINGS	DEVIATION	EXPANDED UNCERTAINTY (\pm)
	$^{\circ}\text{C}$	$^{\circ}\text{C}$	$^{\circ}\text{C}$	$^{\circ}\text{C}$
1	2.0			
2	3.0	2.015	-0.015	0.27
3	4.0	3.03	-0.030	0.31
4	5.0	4.046	-0.046	0.4
5	6.0	5.057	-0.057	0.4
6	7.0	6.062	-0.062	0.4
7	8.0	7.074	-0.074	0.4
		8.08	-0.080	0.4

REMARKS

1. The user should determine the suitability of the instrument for its intended use.
2. The recalibration interval should be determined on the user requirement.
3. The results stated in this certificate relate only to the item calibrated.
4. This Calibration certificate shall not be reproduced except in full, without written approval of the laboratory.
5. Any correction / Modification in this calibration report kindly inform with in 30 days.
6. The indicated uncertainties are expanded uncertainty estimated for a confidence level of approximately 95% for a coverage factor
7. Expanded Uncertainty (\pm) 2.5 $^{\circ}\text{C}$
8. Acceptable Limit = (\pm) 0.5 $^{\circ}\text{C}$

Calibrated By

C. V. Ravi
(Calibration Engineer)



Authorised Signatory

A. K. Ravi
(Quality Manager)

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