



BHARATH INSTRUMENTS

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

NABL
ACCREDITED
LABORATORY

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CALIBRATION CERTIFICATE	
CERTIFICATE NO: BI/24-01-401	Page No: 01 of 02
Date of Issue : 31/01/2024	Customer Name & Address
Receipt Date : 30/01/2024	ICTC,
Calibration Date : 30/01/2024	PHC NANCOWRY.
Recommended Next Due : 29/01/2025	
Details of Device Under Calibration (DUC)	Reference Standards Details
Description : REFRIGERATOR (Analog Thermometer)	Description : Digital Thermometer with Sensor
Make & Model : LLOYD & GLFF262EDST1PB/2020	Make & Model : Yudian & AI5600 / Aparajit Instruments & PT100
Sr. No : BI:0401/2024	Sr. No : 18E268109 / 268/16- 17
Identification No : PHC/REFRI/ICTC/REFRI-01	Traceability : PC-11-23/ATL/1863-01
Range : 2 to 8°C	Validity : 28-11-2024
Least Count : 0.1°C	Environmental Conditions Details
Location : —	Temperature (° C) : 24.4
DUC Condition : Good	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	2.008	-0.008	0.27
2	3.0	3.019	-0.019	0.31
3	4.0	4.023	-0.023	0.4
4	5.0	5.031	-0.031	0.4
5	6.0	6.042	-0.042	0.4
6	7.0	7.052	-0.052	0.4
7	8.0	8.063	-0.063	0.4
MIDDLE				
	°C	°C	°C	°C
1	2.0	2.012	-0.012	0.27
2	3.0	3.024	-0.024	0.31
3	4.0	4.032	-0.032	0.4
4	5.0	5.041	-0.041	0.4
5	6.0	6.052	-0.052	0.4
6	7.0	7.064	-0.064	0.4
7	8.0	8.077	-0.077	0.4

Calibrated By
C. V. V. V.
(Calibration Engineer)



Authorised Signatory
A. K.
(Quality Manager)

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

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Dealing Sales, Service, Calibration

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CALIBRATION CERTIFICATE	Page No: 02 of 02
CERTIFICATE NO: BI / 24 - 01 - 401	

CALIBRATION RESULTS		BOTTOM		
S.No.	DEVICE UNDER CALIBRATION READINGS °C	STANDARD INSTRUMENTS READINGS °C	DEVIATION °C	EXPANDED UNCERTAINTY (±) °C
	2.0	2.014	-0.014	0.27
1	3.0	3.023	-0.023	0.31
2	4.0	4.035	-0.035	0.4
3	5.0	5.047	-0.047	0.4
4	6.0	6.055	-0.055	0.4
5	7.0	7.068	-0.068	0.4
6	8.0	8.079	-0.079	0.4
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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 (±) 2.5°C
8. Acceptable Limit = (±) 0.5°C

Calibrated By,
c.vathi
(Calibration Engineer)



Authorised Signatory
A.K
(Quality Manager)