

# BHARATH INSTRUMENTS

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

NABL  
ACCREDITED  
LABORATORY

## CALIBRATION CERTIFICATE

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CERTIFICATE NO: BI/24-01-0407

Date of Issue : 31/01/2024

Receipt Date : 30/01/2024

Calibration Date : 30/01/2024

Recommended Next Due : 29/01/2025

Details of Device Under Calibration (DUC)

Description : REFRIGERATOR  
(Analog Thermometer)

Make & Model : WHIRLPOOL & F220

Sr. No : A208188000A  
(BI:0407/2024)

Identification No : PHC/REFRI/ICTC/REFRIGERATOR

Range : 2 to 8°C

Least Count : 0.1°C

Location : —

DUC Condition : Good

Customer Name & Address

ICTC,  
PHC CAMPBELL BAY.

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

TOP

### CALIBRATION RESULTS

S.No.	DEVICE UNDER CALIBRATION READINGS	STANDARD INSTRUMENTS READINGS	DEVIATION		EXPANDED UNCERTAINTY (±)	
			°C	°C	°C	°C
	°C	°C				
	2.0	2.008	-0.008		0.27	
1	3.0	3.014	-0.014		0.31	
2	4.0	4.024	-0.024		0.4	
3	5.0	5.035	-0.035		0.4	
4	6.0	6.048	-0.048		0.4	
5	7.0	7.057	-0.057		0.4	
6	8.0	8.072	-0.072		0.4	
7						
			MIDDLE			
	°C	°C	°C		°C	
	2.0	2.01	-0.010		0.27	
1	3.0	3.019	-0.019		0.31	
2	4.0	4.027	-0.027		0.4	
3	5.0	5.035	-0.035		0.4	
4	6.0	6.046	-0.046		0.4	
5	7.0	7.063	-0.063		0.4	
6	8.0	8.08	-0.080		0.4	
7						

Calibrated By  
*C. Vathi*  
(Calibration Engineer)



Authorised Signatory  
*A. R.*  
(Quality Manager)

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

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Dealing Sales. Service, Calibration



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## CALIBRATION CERTIFICATE

CERTIFICATE NO: BI / 24 - 01- 407

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### CALIBRATION RESULTS

S.No.	DEVICE UNDER CALIBRATION READINGS	STANDARD INSTRUMENTS READINGS	BOTTOM	
	°C	°C	DEVIATION	EXPANDED UNCERTAINTY (±)
1	2.0	2.02	°C	°C
2	3.0	3.03	-0.020	0.27
3	4.0	4.041	-0.030	0.31
4	5.0	5.055	-0.041	0.4
5	6.0	6.063	-0.055	0.4
6	7.0	7.077	-0.063	0.4
7	8.0	8.088	-0.077	0.4
			-0.088	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 (±) 2.5°C
8. Acceptable Limit = (±) 0.5°C

Calibrated By

(Calibration Engineer)



Authorised Signatory

(Quality Manager)