

# CALIBRATION CERTIFICATE

## CALIBRATION CERTIFICATE OF DIGITAL TEMPERATURE INDICATOR WITH SENSOR

Calibration Certificate No.	21100014015	Issued On	09/10/2021
ULR No.	CC214621100014015F	Calibration Date	08/10/2021
Job Identification No.	ICS/C/T/10/14015	Next Due Date	07/10/2022
Ref. No.	SRF, Dated -07/10/2021		

**CALIBRATED FOR:**  
 M/s Department of Microbiology,  
 University College of Medical Science,  
 Dishad Garden, Delhi-110095.

<b>EQUIPMENT DESCRIPTION</b>			
Name	Digital Temperature Indicator with Sensor	Make/Model	Fisher Scientific
Serial No.	122079738	I.D. No.	SRL/UCMS/MICRO/LP-03
Range	-50°C to 70°C	Least Count	0.1°C
Location	---	Calibration Site	In-Lab

<b>ENVIRONMENTAL CONDITIONS</b>	
Temperature	25.0 °C ± 3.0 °C
Humidity	50 ± 10 % RH

<b>STANDARD REFERENCE DETAILS</b>			
Traceable to National Standard			
Name of the Standard	Yudian	Agency/Traceability	FCRI, Palakkad
RTD Sensor with Digital Indicator	ETL/2070/21C/F/060	Date of Calibration	24-25/02/2021
Used Equipment Details	Methanol Bath & Water Bath	Valid up to	25/02/2022
Principle/Methodology of Calibration	As per Calibration Procedure No.: ICS-CAL/SOP-TH02, (ITS-90) (Comparison Method)		

<b>RESULTS: Thermal Calibration</b> (On Working Range)	
U.U.C. READING (in °C)	CORRECTED VALUE OF STANDARD (in °C) (Avg.)
- 20.0	-20.145
00.0	00.031
25.0	24.863
50.0	49.752
70.0	69.669
Uncertainty at approx 95% C.L and coverage factor k=2 (in °C)	
± 0.18	± 0.18
± 0.18	± 0.18
± 0.18	± 0.18
± 0.28	± 0.28
± 0.28	± 0.28

**REMARKS:** The recommended date for next calibration is mentioned, as asked by the customer.  
**\*\*\*END OF REPORT\*\*\***

**Note :** 1. This report is not to be reproduced wholly or in part and cannot be used as an evidence in the Court of Law and should not be used in any advertising media without our special permission in writing.  
 2. The result listed refer only to the tested samples and applicable parameters. Endorsement of products is neither inferred nor implied.  
 3. Total liability of our Organisation is limited to the invoiced amount.  
 4. Samples will be destroyed after one month from the date of issue of Calibration Certificate unless otherwise specified.  
 5. In case any recognition of contents of this Calibration Certificate is required. Please contact our office.  
 6. The calibration certificate/Test Report is valid only for the condition of the UUC at the time under stated condition of calibration.

Checked by

Authorised Signatory

For and on behalf of  
**Indian Calibration Services**

RAJESH KAPOOR  
 Operation-Head

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**CALIBRATED FOR:** M/s Department of Microbiology,  
University College of Medical Science  
Dilshad Garden, Delhi-110095.

**EQUIPMENT DESCRIPTION**

Name	Digital Temperature Indicator with Sensor		
Make/Model	Fisher Scientific	Visual Inspection	Ok
Serial No.	122079738	I.D. No.	SRL/UCMS/MICRO/LP-03
Range	-50°C to 70°C	Least Count	0.1°C
Location	---	Calibration Site	In-Lab

**ENVIRONMENTAL CONDITIONS**

Temperature	25.0 °C ± 3.0° C	Humidity	50 ± 10 % RH
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**STANDARD REFERENCE DETAILS**

Traceable to National Standard

Name of the Standard	Make	Certificate No.	Calibration Agency/Traceability	Date of Calibration	Valid up to
RTD Sensor with Digital Indicator	Yudian	ETL/2070/21/C/F/060	FCRI, Palakkad	24-25/02/2021	25/02/2022

USED EQUIPMENT DETAILS Methanol Bath &amp; Water Bath

PRINCIPLE/METHODOLOGY OF CALIBRATION: As per Calibration Procedure No.: ICS-/CAL/SOP-TH02, (ITS-90) (Comparison Method)

RESULTS: Thermal Calibration  
(On Working Range)


U.U.C. READING (In °C)	CORRECTED VALUE OF STANDARD (in °C) (Avg.)	Uncertainty at approx 95% C.L and coverage factor k=2 (in °C)
- 20.0	-20.145	± 0.18
00.0	00.031	± 0.18
25.0	24.863	± 0.18
50.0	49.752	± 0.28
70.0	69.669	± 0.28

REMARKS: The recommended date for next calibration is mentioned, as asked by the customer.

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