

Calibration Certificate

Certificate No.: YEA(C)/ 231223A/I963/004
ULR No.: CC222123000082842F

Dated : 30.12.2023

Calibrated for : ICTC, District Hospital, Lawngtlai
Dist.: Lawngtlai, Mizoram,
Pin - 796891.

Calibrated on.	Next Calibration Due On.	Page No.	No. of Pages
25.12.2023	25.12.2024	1	2

Description of Instrument

Name : Glass Thermometer
Identification : ICTC/LTL/GT-01
Range : (-)10 to 110 °C
Least Count : 1 °C
Make : Omsons
Type : Alcohol

**Service Request No. / Order Reference** : 231223A/I963/001-005**Receipt of Instrument** : 23.12.2023**Location where calibration performed** : At permanent laboratory**Applicable Specification of Instrument to be Calibrated** : Not Specified**Condition of Instrument to be Calibrated** : Satisfactory**Basis of Calibration** : Comparison method with reference to YEA/WI/T-01**Environmental Condition during Calibration** : *Temp.* : 25±4°C *RH* : 30 to 75%**Equipment used for Calibration** : Standard Data Acquisition Unit & Standard RTD Sensor**Traceability** : To National Standard vide Certificate No:
YEA(C)/ 231220/Y001/001 valid till 19.12.2024
TL/023/52.1.1 valid till 11.01.2024**Measurement Uncertainty** : The figures are stated in the result at coverage factor
 $k=2$ corresponding to confidence probability of
95% for normal distribution.**Laboratory Identification** : Sticker is affixed for authentication of calibration.

The above Instrument/Equipment/Machine has been calibrated.

The results are given in the page 2 to 2 ...of the certificate.

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Certificate No.: YEA(C)/ 231223A/I963/004

ULR No.: CC222123000082842F

Calibrated By : K. Rout

Date: 30.12.2023

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Calibration Results

Thermal Calibration

Calibration Results of Glass Thermometer :

Sl. No.	Average DUC Value	Average Standard Value	Measurement Uncertainty
	(°C)	(°C)	(± °C)
1	-10	-10.014	0.62
2	0	-0.087	
3	50	49.815	
4	79	78.648	
5	110	109.558	

Temperature Scale : ITS - 90

DUC : Device Under Calibration

REMARKS : The above Glass Thermometer has been calibrated and the readings are tabulated above.

NOTES : This certificate refers to the results tabulated at the time of calibration only for the above mentioned item submitted for calibration and this should not be reproduced, other than in full except with prior written approval from the head of calibration laboratory.

Authorised By



A. Das

Manager Calibration

*** End of the Calibration Certificate ***



Calibration Certificate

 Certificate No.: YEA(C)/ 231223A/1963/005
 ULR No.: CC222123000082843F

Dated : 30.12.2023

 Calibrated for : ICTC, District Hospital, Lawngtlai
 Dist.: Lawngtlai, Mizoram,
 Pin - 796891.

Calibrated on.	Next Calibration Due On.	Page No.	No. of Pages
25.12.2023	25.12.2024	1	2

Description of Instrument

<i>Name</i>	: Glass Thermometer
<i>Identification</i>	: ICTC/LTL/GT-02
<i>Range</i>	: (-)20 to 50 °C
<i>Least Count</i>	: 1 °C
<i>Make</i>	: Physi Chem
<i>Type</i>	: Alcohol



CC-2221

Service Request No. / Order Reference : 231223A/1963/001-005

Receipt of Instrument : 23.12.2023

Location where calibration performed : At permanent laboratory

Applicable Specification of Instrument to be Calibrated : Not Specified

Condition of Instrument to be Calibrated : Satisfactory

Basis of Calibration : Comparison method with reference to YEA/WI/T-01

Environmental Condition during Calibration : *Temp.* : 25±4°C *RH* : 30 to 75%

Equipment used for Calibration : Standard Data Acquisition Unit & Standard RTD Sensor

Traceability : To National Standard vide Certificate No:
 YEA(C)/ 231220/Y001/001 valid till 19.12.2024
 TL/023/52.1.1 valid till 11.01.2024

Measurement Uncertainty : The figures are stated in the result at coverage factor
 $k = 2$ corresponding to confidence probability of
 95% for normal distribution.

Laboratory Identification : Sticker is affixed for authentication of calibration.

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YEA

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ULR No.: CC222123000082843F

Calibrated By : K. Rout

Date: 30.12.2023

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Calibration Results

Thermal Calibration

Calibration Results of Glass Thermometer :

Sl. No.	Average DUC Value	Average Standard Value	Measurement Uncertainty
	(°C)	(°C)	(± °C)
1	-20	-19.919	0.61
2	0	0.105	
3	11	11.250	
4	29	29.391	
5	50	50.539	

Temperature Scale : ITS - 90

DUC : Device Under Calibration

REMARKS : The above Glass Thermometer has been calibrated and the readings are tabulated above.

NOTES : This certificate refers to the results tabulated at the time of calibration only for the above mentioned item submitted for calibration and this should not be reproduced, other than in full except with prior written approval from the head of calibration laboratory.

Authorised By

A. Das

Manager Calibration

*** End of the Calibration Certificate ***

