

Calibration Certificate

Certificate No.: YEA(C)/ 231223A/I968/001
ULR No.: CC222123000082855F

Dated : 30.12.2023

Calibrated for : **ICTC, Thenzawl CHC**
Dist.: Serchhip, Mizoram,
Pin - 796101.

| Calibrated on. | Next Calibration Due On. | Page No. | No. of Pages |
|----------------|--------------------------|----------|--------------|
| 26.12.2023 | 26.12.2024 | 1 | 2 |

Description of Instrument

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



CC-2221

Service Request No. / Order Reference : 231223A/I968/001-002

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.

Contd...2





YEA

☎ : 033 2677 1411/1412, 2667 1909

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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 | -9.918 | 0.62 |
| 2 | 0 | 0.114 | |
| 3 | 49 | 49.292 | |
| 4 | 78 | 78.409 | |
| 5 | 110 | 110.638 | |

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 ***

