



AA CALIBRATION PVT.LTD

CALIBRATION CERTIFICATE



Certificate No. CC - 2646

| | | | | | | |
|----------------------|-------------------------------------|---------------------|-------------|----------------------------------|------------|--------|
| Certificate No | AACPL / 00772F | Field | Elec. Tech. | Group | Page No. | 1 of 1 |
| SRF No & Date | 210118.2 | DT - 18 / 01 / 2021 | ULR No. | CC2646210000 00772F | | |
| Calibration Method : | Direct Method | | | Accuracy | | |
| Company Name | M/s Hira Clinical Lab | | | Calibration Date | 18.01.2021 | |
| Address | Civil Hospital Hoshiapur - (P.B) | | | Cali. Due On (As Sugg. By Cust.) | 17.01.2022 | |
| | | | | Certificate Issue Dt. | 21.01.2021 | |
| | | | | UUC Condition | Good | |

Calibration Instrument Detail

| SI | Instrument Name | Range | Least Count | Make / SI.No | Party ID / Location |
|----|-------------------|----------------|-------------|--------------|------------------------------|
| 1 | Glass Thermometer | (-10)° to 50°C | 2 °C | Na / ---- | HCL/LAB/GTM/01 Laboratory |

Standard Equipments Used (Traceable to National Standard)

| SI | Instrument Name | Make/SI No | Calibrated By | Cal Certificate No | Cal. Valid Upto |
|--------------------|---------------------|------------------------|---------------|--------------------|--------------------------|
| 1 | Digital Multimeter | Gwinstek EL 160577 | AACPL | AACPL/ 02876F | 13/07/2021 |
| 2 | RTD (4 Wire) Pt-100 | Tempens / 21000471 | Tempens | TL/020/811.1.1 | 08/10/2021 |
| 3 | Liquid Temp. Bath | Tempens/Calsys -30to50 | ----- | ----- | ----- |
| 4 | Oil Temp. Bath | Tempens/Calsys 50to250 | ----- | ----- | ----- |
| Reference Standard | | Calibration Purpose | Humidity | Temperature | Calibration Performed At |
| IS : 1248 | | Temp. Measurement | (50 ± 20)%RH | (25 ± 10)°C | Laboratory |

Calibration Procedure : As per Calibration Procedure Manual AACPL / CP / 03, Section No : CPET - 01

Set Points :- -30, 30, 50 °C

Calibration Results

| SI. No. | Std. Reading on Master in °C | UUC Average Reading in °C | Deviation in °C | Uncertainty at approx 95% confidence Level and coverage factor k =2 is ± |
|---------|------------------------------|---------------------------|-----------------|--|
| 1 | -30.06 | -30.0 | 0.06 | 1.22 °C |
| 2 | 29.85 | 30.0 | 0.15 | 1.22 °C |
| 3 | 49.12 | 50.0 | 0.88 | 1.22 °C |

Note

- 1 The calibration results reported in this calibration certificate are valid at the time of & under stated condition
- 2 This certificate cannot be reproduced except in full without our prior permission in writing
- 3 This certificate refers only to the particular item(s) submitted for calibration
- 4 UUC - Unit under calibration

Calibrated by
Alka



Approved by

Rajesh Prasad
Rajesh Prasad
(Tech. Manager)

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