

TECHNOCAL

ACCREDITATION FOR MECHANICAL, THERMAL & ELECTRO - TECHNICAL CALIBRATION LABORATORY



CC-2350

CALIBRATION CERTIFICATE

DISCIPLINE - THERMAL

1. CLIENT'S ADDRESS :-
 SRL Dr Avinash Phadke Pvt. Ltd
 Ground floor, Sunaiti, Behind Saraswai Co-op Bank
 Mulund-west, Mumbai-400080

CRF No. :- CAL-2203-015
 Page No. :- 1 of 1
 ULR No. :- CC255022000000753F
 Certificate No. :- SRL-CAL/2203-15-003
 Date of Received / Mode :- 25/03/2022 / By Hand

Environmental Condition
 Ambient Temp. :- 27.3 °C
 Relative Humidity :- 55 %RH
 Location of calibration :- AI Lab
 Condition of Item :- OK

Reference Challen no. :- 25/03/2022
 Date of Calibration :- 29/03/2022
 Date of issue certificate :- 29/03/2022
 Next Calibration Due On :- 24/03/2023
 Calibration method No. :- TECH-TH-VI-03

2. Description of Item (UUC)

Name	- Thermometer
Id No	- Mtd-17
Make & Model	- Acelec & ST-9283B
Type	- Digital
Accuracy	- ± 2 °C
Range	- 50 to 300 °C
L C	- 0.1 °C
Location	- Lab

3. Detail of Equipment used for calibration

Name :- RTD Sensor With DMM
 Make :- Gwinstek & Tempsons
 Certificate No. :- C21111499/T/01
 Certified By :- Aasulocal Solutions PVT. LTD.
 ID/Sr. No :- TECHMMTTS-001
 Calibration Validity :- 07/11/2022

4. Calibration Results

Calibration Points	Standard Reading	UUC Reading	Error in °C	Expanded Uncertainty in ± °C
-20 °C	-20.125 °C	-20.3 °C	-0.175 °C	1.03
5 °C	5.023 °C	5.3 °C	0.277 °C	1.03
37 °C	37.156 °C	37.5 °C	0.344 °C	1.03
100 °C	100.156 °C	100.6 °C	0.444 °C	1.04

* The readings of temperature represents the mean of five readings.
 Note:

- 1) The reported uncertainty is the expanded uncertainty in measurement obtained by multiplying the standard uncertainty by the coverage factor k=2, which corresponds to a coverage probability of approximately 95% for normal distribution
- 2) This certificate refers only to the particular item submitted for calibration. UUC stands for Unit Under Calibration.
- 3) This certificate shall not be reproduced, except in full unless written permission for the publication of an approved abstract has been obtained from the Technical Manager of "Technocal, Mohopada"
- 4) The calibration results reported in the certificate are valid at the time of and under the stated conditions of measurement
- 5) If equipment used for calibration are calibrated & traceable to national & International standard

Calibrated By

Approved By

Calibration Engineer
 Name: Apoorva Dalvi

Technical Manager
 Name: Santosh Sardar

TF-39, REV:00



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