



CC - 3237

**CALIBRATION CERTIFICATE**

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MCAL/FOR/QD-12

PRF #	: MCAL/PRF/1121151	Date of Calibration	: 26-Nov-2021
Certificate #	: MSIR/411121/151-008	Recom. Due Date	: 25-Nov-2022

**DETAILS OF USER CUSTOMER**

M/S. Sri Samraj Labs,

Shop No:1&amp;3,SK Complex,No:10,

Imperial Road,Cuddalore-607 002.

ULR # : CC323721000011543F

Calibrated at : On-site

Date of Receipt : 26-Nov-2021

Cond. On Receipt : Satisfactory

Date of Issue : 2-Dec-2021

**DETAILS OF TEST / UNIT UNDER CALIBRATION**

Description	: Steam Thermometer	Identification #	: SSLCDR/EQP/MT/31
Range	: -50 to 300 °C	Serial #	: STM-1
Cal. / Working Range	: --	Make	: Multi
Least Count	: 1 °C	Model # / Type	: ST-9283B
Location	: --	Accuracy	: As per Manual

**DETAILS OF MASTER INSTRUMENT USED**

Description (Range)	Identification #	Valid upto (Due Date)	Traceability Certificate #
Digital Thermometer	MCAL/INS/TH-45	10-Dec-2021	MSIR/411220/INT-060
RTD "PT-100" (-30 to 200°C)	MCAL/INS/TH-10	6-May-2022	MSIR/410521/17-004
TC "N-Type" (50 to 1200°C)	MCAL/INS/TH-22	5-May-2022	MSIR/410521/17-016

MFC #	: MCAL/MFC/TH-02
Details of Env.	: Temperature : 25±10°C      Relative Humidity : 40-70 % RH

**CALIBRATION RESULTS****Parameter : Thermal**

Sl. #	Test Readings (°C)	Standard Readings (°C)	Error (°C)	Uncertainty ± (°C)
1.	-30.1	-29.90	-0.20	0.80
2.	-20.1	-20.18	0.08	0.80
3.	100.1	100.31	-0.21	0.80
4.	250.1	250.44	-0.34	4.54
5.	300.1	300.58	-0.48	4.54

**Remarks**

- The reported Expanded Uncertainty is calculated at 95.45 % C.L with coverage factor k=2.
- The reported readings are average of three readings.
- Temperature Scale : ITS-90 Chart.

Issued by :  
MCAL - Engineer

SANGEETHA. B

Authorised by :  
Technical Manager

KAMALANATHAN. V.

\*\*\* End of Certificate \*\*\*

**MSIR INDIA PRIVATE LIMITED**

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