CC - 3237

MSIR INDIA Calibration
#40, 2nd Floor, 2nd Street,
Padmavathi Nagar, Chromepet,
Chennai, Tamil Nadu - 600 044.

CALIBRATION CERTIFICATE

MCAL/FOR/QD-12

PRF #	:	MCAL/PRF/1121151	Date of Calibration	:	26-Nov-2021
Certificate #	:	MSIR/411121/151-009	Recom. Due Date	:	25-Nov-2022

DETAILS OF USER CUSTOMER		ULR #	:	CC323721000011544F
M/S. Sri Samraj Labs,		Calibrated at	:	On-site
Shop No:1&3,SK Complex,No:10,		Date of Receipt	:	26-Nov-2021
Imperial Road,Cuddalore-607 002.		Cond. On Receipt	:	Satisfactory
		Date of Issue	:	2-Dec-2021

DETAILS OF TEST / UNIT UNDER CALIBRATION

Description	:	**Steam Thermometer**	Identification #	:	**SSLCDR/EQP/MT/32**
			Serial #	:	**STM-1**
Range	:	-50 to 300 °C	Make	:	Multi
Cal. / Working Range	:	--	Model # / Type	:	ST-9283B
Least Count	:	1 °C	Accuracy	:	As per Manual
Location	:	--			

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	-29.89	-0.21	0.80
2.	-20.1	-20.06	-0.04	0.80
3.	100.1	100.16	-0.06	0.80
4.	250.1	250.19	-0.09	4.54
5.	300.1	300.18	-0.08	4.54

Remarks

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

Issued by :		Authorised by :	
MCAL - Engineer	SANGEETHA. B	Technical Manager	KAMALANATHAN.N

★★★ End of Certificate ★★★