



CC - 3237

## CALIBRATION CERTIFICATE

MCAL/FOR/QD-12

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PRF #	: MCAL/PRF/1121151	Date of Calibration	: 26-Nov-2021
Certificate #	: MSIR/411121/151-013	Recom. Due Date	: 25-Nov-2022

### DETAILS OF USER CUSTOMER

M/S. Sri Samraj Labs,  
Shop No:1&3,SK Complex,No:10,  
Imperial Road,Cuddalore-607 002.

ULR #	: CC323721000011540F
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	: Thermo Hygrometer	Identification #	: SSLCDR/EQP/MT/27
Range	: -10 to 50°C / 10 to 99%RH	Serial #	: THM-1
Cal. / Working Range	: --	Make	: --
Least Count	: 0.1 °C / 1 %RH	Model # / Type	: HTC-2
Location	: --	Accuracy	: As per Manual

### DETAILS OF MASTER INSTRUMENT USED

Description (Range)	Identification #	Valid upto (Due Date)	Traceability Certificate #
Temp. & Hum. Sensor With Indicator	MCAL/INS/TH-04	20-Jul-2022	JRPM-CCTR-THER-2021-0706

MFC #	: MCAL/MFC/TH-04	Relative Humidity : 40-70 % RH
Details of Env.	Temperature : 25±10°C	

### CALIBRATION RESULTS

#### Parameter : Thermal

Temperature @ 50%RH	Sl. #	Test Readings (°C)	Standard Readings (°C)	Error (°C)	Uncertainty ± (°C)
		1.	5.1	5.17	-0.07
	2.	15.1	15.26	-0.16	2.35
	3.	34.1	34.33	-0.23	2.35
Humidity @ 25°C	Sl. #	Test Readings (%RH)	Standard Readings (%RH)	Error (%RH)	Uncertainty ± (%RH)
	1.	36	38.14	-2.14	2.62
	2.	57	58.17	-1.17	2.62
	3.	84	86.27	-2.27	2.62

#### 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.

Issued by :  
MCAL - Engineer

SANGEETHA. B

Authorised by :  
Technical Manager

KAMALANATHAN V

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

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