



# S.M. ENTERPRISES

# 27<sup>th</sup>


ISO 9001 : 2015  
RQ91/3144

(Calibration and Testing of Electrical, Electronic & Precision Instruments)

Years of Service

Office/Cal. Lab : Plot No. 12, "Ganesh Niwas", Sanjeevaiah Nagar, Co-operative Society, Besides Tadbund Hanuman Temple, Sikh Village, Secunderabad - 500 009, T.S, INDIA @: (040) 27840697, 48541008  
Cell: 9948020798, 9948291008, 9948292008, 9948293008, 9948294008 Email: msudheer\_98@yahoo.com, msudheer\_98@smentp.org, SME\_003@YAHOO.IN, url : www.smentp.org

## CALIBRATION CERTIFICATE

CALIBRATION ON 16/10/2023			CALIBRATION DUE 15/10/2024			
1. Calibration Report Ref. No. & Date :			SME/SUJ/HYG/CAL-10/2023;Dt:16/10/2023			
2. Requested by : (Name and address of the organization)			M/s. ICTC Nakkapalli Nakkapalli			
3. Instrument Name			Digital Thermo Hygro Meter With probe			
4. Make/Model:			HTC 2			
5. Instrument ID No:			ICTC/HYG-10			
6. Range :			0 to 50 ° C & 30 to 90 %			
7. Accuracy :			+/-2° C & 5% RH			
8. Environmental Conditions:			Temp/ RH : 25 +/- 2Deg C; R.H:- 65 +/- 5 %			
9. Test parameter & condition :			Temperature & RH V/S Temperature & RH			
10. Standard Instruments used for Calibration:			Digital Temp Humidity Meter			
11. Traceability Certificate Ref. No.			C-230821-11-2, Dt:31/08/2023, DueDt:31/08/2024			
TEST RESULTS						
Sl No	Standard Reading Of Temperature & RH		Observed Reading Of Under Calibration Hygrometer in Deg C & %RH		Error Value +/-	
	Temperature in °C	RH in %	Temperature in °C	RH in %	Temp in °C	RH in %
1	10.0	30	10.3	29	0.3	1
2	20.0	50	19.7	53	0.3	3
3	30.0	60	30.3	58	0.3	2
4	40.0	80	39.4	82	0.6	2
5	50.0	90	50.2	88	0.2	2
PLEASE NOTE: THE INSTRUMENTS ERROR FOUND TO BE WITHIN THE SPECIFIED ACCURACY LIMIT AND THIS CERTIFICATE VALID FOR PERIOD OF ONE YEAR FROM THE DATE OF ISSUE.						
CALIBRATED BY S.M. ENTERPRISES						
 ENGINEER INCHARGE						



GSTIN : 36AFVPS4924F1ZW Service Tax No. : AFVPS4924FST001 PAN No. : AFVPS4924F  
NABL APPROVED LAB (CC-2471) / Approved Laboratory of ISO 9001-2015  
TEST EQUIPT. / STANDARDS USED ARE TRACEABLE TO NATIONAL STANDARDS





CC-2559

# CALIBRATION CERTIFICATE

**Godrej** | CALIBRATION SERVICES

Godrej & Boyce Mfg. Co. Ltd,  
Calibration Services, No.1, SIDCO  
Industrial Estate,  
Ambattur, Chennai  
Tamilnadu, 600098, India  
Dir.: 91-44-66544651/52/53

Format No.	FR-QT-21	Page No.	1 of 1		
Certificate No.	C-230821-11-2	Issue Date	31/08/2023		
Date Of Calibration	31/08/2023	Recom. Due Date	31/08/2024		
Customer Details :	S M ENTERPRISES		Calibrated at	Lab (SME/23-24/430)	
PLOT NO.12, SANJEEVAIAH NAGAR, CO-OPERATIVE SOCIETY, BE SHIRI TADIBUND TEMPLE, SECUNDERABAD, TELANGANA HYDERABAD, Telangana, India 500009		Challan Date	18/08/2023		
		Date Of Receipt	21/08/2023		
		Cond. On Receipt	Satisfactory		
		Receipt No.	C-230821-11		
Details of Unit Under Calibration :					
Name	Temperature & Humidity Meter	Range	(-10 to 60)°C / (0 to 100)%RH		
Make	ROTRONIC	Resolution	0.1°C / 0.1%RH		
Sr No	71713013/20209090	Accuracy(±)	0.2°C/1.0%RH		
Id No	SME/11HM/05-SME/11HM/05/1	Model No.	HIP22-A/HC2A-53		
Calibration Range	(10 to 60)°C / (10 to 95)%RH				
Details Of Master Equipments					
Name	Make	Sr. No.	IDNO	Valid Upto	Traceability
Digital Temperature & Humidity Indicator with Sensor	Rotronic	5200963/20447561	QSC/1/149	04/11/2023	Sansel
Work Instruction No.: WI-TP-05			Reference Standard No.: NABL 129		
Environmental Details:			Relative Humidity: 49 %RH		
Temperature: 24.9 °C					
Calibration Results Group :- THERMAL CALIBRATION; GROUP - SPECIFIC HEAT & HUMIDITY					
Sr. No.	Range	Standard Reading	UUC Reading	Error	Expanded Uncertainty
1	Temperature @50%RH	10.04 °C	10.1 °C	0.06 °C	±0.33 °C
2		19.92 °C	20.0 °C	0.08 °C	±0.33 °C
3		29.85 °C	29.9 °C	0.05 °C	±0.33 °C
4		40.03 °C	40.1 °C	0.07 °C	±0.33 °C
5		59.83 °C	59.9 °C	0.07 °C	±0.33 °C
6	Relative Humidity @25 °C	10.15 % RH	10.7 % RH	0.55 % RH	±1.8 % RH
7		29.83 % RH	30.3 % RH	0.47 % RH	±1.8 % RH
8		50.19 % RH	50.7 % RH	0.51 % RH	±1.8 % RH
9		69.90 % RH	70.5 % RH	0.60 % RH	±1.8 % RH
10		94.13 % RH	94.8 % RH	0.67 % RH	±1.8 % RH
<b>Remark</b>					
1 Reading given are average of three measurements					
<b>Notes</b>					
<ul style="list-style-type: none"> <li>Equipment used for calibration were calibrated &amp; traceable to National &amp; International Standards</li> <li>This certificate refers only to particular item(s) submitted for calibration.</li> <li>Godrej Calibration Services is not liable for any change in calibration data &amp; performance specification on account of malfunctioning of Standards/Instruments/Equipment covered by this certificate due to damage caused to it after issuance of this certificate</li> <li>The calibration results reported are valid at the time of and under the stated conditions of the measurements</li> <li>The Certificate should not be reproduced except in full without the prior permission from Godrej Calibration Service.</li> <li>Satisfactory calibration report in no ways implies that the equipment calibrated is approved by NABL.</li> <li>All precautions have been taken for any error or omission while calibrating the instruments and issuing this certificate. However Godrej Calibration Services shall not be liable for any loss or liability that may be arise to any party in this regards.</li> <li>The reported expanded uncertainty of measurement is calculated at approximately 95.45% confidence level with coverage factor k = 2</li> </ul>					
Authorized Signatory Rajeshkannan Asathambi		 		Signature valid	
Designation Deputy Manager				Digitally signed by DS M S GODREJ AND BOYCE MFG CO LTD	
Calibrated By: Mohanraj K Calibration Engineer				Date: 2023.08.31 12:20:51 +05:30	
UIR No (CC255923000302091)				Reason: Calibration Certificate	
				Location: Chennai	
--- End of Certificate ---					

Godrej & Boyce Mfg. Co. Ltd.

Regd Office: Prayshannagar, L B S. Marg, Vikhroli, Mumbai 400 079 | 91-22-6796 1700/1800 W | www.godrej.com

Signature is not required as it is generated through software