



CC-2806

## CALIBRATION CERTIFICATE

In accordance with ISO / IEC-17025 ; 2017

F10-CC-03

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<b>Certificate No. : SL2304TL0287-013</b>		<b>Issue Date : 04-05-2023</b>
<b>1. Customer Name &amp; Address:</b> M/s.State Reference Laboratory Of HIV Testing (APSACS), Department Of Microbiology, Kurnool Medical College, Kurnool, 518 002.		<b>ULR - CC 2 8 0 6 2 3 0 0 0 0 2 6 1 6 F</b>
		Reference Date : 29-04-2023
		Calibration Date : 30-04-2023
		Calibration Due Date : 29-04-2024

### 2. Details of Unit Under Calibration:

Description	: Digital Thermo Hygrometer With Probe		
Make	: HTC	Model No.	: HTC-2
Range	: -50 to 70 °C / 10 to 99 %RH	Id No.	: APSACS/ICTC/CHC/YMG/THM/01
Resolution	: 0.1 °C / 1 %RH		

### 3. Detail of Standard Instruments Used :

Instrument Used	SI / Id No	Valid up to	Certificate No.
Digital Thermo Hygrometer With Sensor	5180091/2027760 4	16-07-2023	30056478
Digital Temperature Indicator With SPRT Sensor	935-14-95 H	20-04-2024	TSC/22-23/18859-2

**4. Environmental Conditions:** Standard Temperature : (25±4) °C      Relative Humidity : (50±20) % RH

**5. Calibration Procedure:** SOP-TL-01 / SOP-TL-04

**6. Thermal Calibration: Temperature & Relative Humidity**

### 7. Remarks:

- The instrument/equipment is in good condition and was calibrated at Lab.
- This certificate pertains only to the item calibrated.
- The calibration results reported in this certificate are valid at the time of and at the stated environmental conditions.
- The calibration interval is determined based on customer's requirements.
- The calibration is traceable to National standards as per traceability details given in the certificate.
- This calibration certificate shall not be reproduced in full, except with prior written approval of Managing Director, SIMCO Calibration Laboratory.
- This calibration certificate is meant for scientific and industrial purpose only.
- The NABL Symbol is used as per NABL guidelines in NABL-133.
- The Expanded Uncertainty is reported approximately at 95.45% confidence level with coverage factor  $k = 2$ .

*Shivaji*  
Calibrated by

*P.A. Anandam*  
Mrs. P.A. Anandam  
Technical Head  
Authorised Signatory



# SIMCO CALIBRATION LABORATORY

(A Division of : Sharp Industrial Machinery Maintenance Co. Pvt. Ltd.)

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**SIMCO**<sup>TM</sup>  
AN ISO 9001 : 2015  
CERTIFIED COMPANY



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### 8. Calibration Results:

#### a. Temperature @ 50% RH

S. No.	Standard Reading (°C)	UUC Reading (°C)	Error (°C)	Expanded Uncertainty in (±°C)
1	9.92	10.1	0.18	0.9
2	19.97	20.2	0.23	0.9
3	40.03	40.4	0.37	0.9
4	60.09	60.5	0.41	0.9

#### b. Relative Humidity @ 29°C

S. No.	Standard Reading (%RH)	UUC Reading (%RH)	Error (%RH)	Expanded Uncertainty in (± %RH)
1	19.74	20	0.26	1.2
2	34.37	35	0.63	1.2
3	60.11	61	0.89	1.2
4	94.97	96	1.03	1.2

#### c. Temperature (Probe)

S. No.	Standard Reading (°C)	UUC Reading (°C)	Error (°C)	Expanded Uncertainty in (±°C)
1	-30.031	-30.3	-0.269	0.4
2	0.028	0.1	0.072	0.4
3	9.807	10.2	0.393	0.4
4	39.929	40.3	0.401	0.4
5	60.035	60.5	0.465	0.4

*Shivaji*  
Calibrated by

*P.A. Anandam*  
Mrs. P.A. Anandam  
Technical Head  
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