

CALIBRATION CERTIFICATE

In accordance with ISO / IEC-17025 : 2017

F10-CC-03

Page : 1 of 2

Certificate No. : SL2304TL0287-010	Issue Date : 04-05-2023
1. Customer Name & Address: M/s.State Reference Laboratory Of HIV Testing (APSACS), Department Of Microbiology, Kurnool Medical College, Kurnool, 518 002.	ULR - C C 2 8 0 6 2 3 0 0 0 0 2 6 1 3 F
	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/ALG/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 $k = 2$.

Shiraj
Calibrated by

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

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Page 2 of 2

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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	10.02	10.1	0.08	0.9
2	19.97	20.1	0.13	0.9
3	39.99	40.2	0.21	0.9
4	59.94	60.3	0.36	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	34.58	35	0.42	1.2
3	59.43	60	0.57	1.2
4	95.17	96	0.83	1.2

c. Temperature (Probe)

S. No.	Standard Reading (°C)	UUC Reading (°C)	Error (°C)	Expanded Uncertainty in (±°C)
1	-30.086	-30.2	-0.114	0.4
2	0.029	0.1	0.071	0.4
3	10.058	10.2	0.142	0.4
4	40.057	40.3	0.263	0.4
5	60.005	60.4	0.395	0.4

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