SIMCO CALIBRATION LABORATORY

SIMCO TM
AN ISO 9001 : 2015 CERTIFIED COMPANY

(A Division of : Sharp Industrial Machinery Maintenance Co. Pvt. Ltd.)
10-3-74/27, Plot No.151, Street No:3, Teacher's Colony, East Marredpally, Secunderabad - 26, Telangana.
Tel: 040 2773 2341/342, 2773 1510, Mob: 77299 91231/33, 98480 46524,
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ilac-MRA

CC-2806

CALIBRATION CERTIFICATE

In accordance with ISO / IEC-17025 : 2017

F10-CC-03

Certificate No. : SL2304TL0287-006	**Issue Date : 04-05-2023**
1. Customer Name & Address: **M/s.State Reference Laboratory Of HIV Testing (APSACS),** Deparment Of Microbiology, Kurnool Medical College, Kurnool, 518 002.	**ULR - C C 2 8 0 6 2 3 0 0 0 0 0 2 6 0 9 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/PPTCT/AH/ADN/THM/01
Resolution	: 0.1 °C / 1 %RH		

3. Detail of Standard Instruments Used :

Instrument Used	Sl / Id No	Valid up to	Certificate No.
Digital Thermo Hygrometer With Sensor	5180091/20277604	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:

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

Shivaji
Calibrated by

Mrs. P.A. Anandam
Technical Head
Authorised Signatory

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Certificate No. : SL2304TL0287-006	ULR - CC280623000002609F

8.Calibration Results:

a. Temperature @ 50% RH

S. No.	Standard Reading (°C)	UUC Reading (°C)	Error (°C)	Expanded Uncertainty in (±°C)
1	9.97	10.1	0.13	0.9
2	19.98	20.2	0.22	0.9
3	39.91	40.3	0.39	0.9
4	59.99	60.4	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	34.59	35	0.41	1.2
3	59.37	60	0.63	1.2
4	94.10	95	0.90	1.2

c. Temperature (Probe)

S. No.	Standard Reading (°C)	UUC Reading (°C)	Error (°C)	Expanded Uncertainty in (±°C)
1	-30.186	-30.3	-0.114	0.4
2	0.028	0.1	0.072	0.4
3	10.017	10.1	0.083	0.4
4	40.126	40.3	0.174	0.4
5	60.104	60.4	0.296	0.4

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