



CALIBRATION CERTIFICATE

1) Customer

Name & Address Agilus Pathlabs - Dr. Phadke Labs Dr. Techandani off -12, 1st floor, Above Golden punjab Hotel, Sector-17, Vashi.	Calibration Certificate No. : FSC/2312/1901/005 ULR No : CC337823000002565F Date of Received : 19.12.2023 Date of Calibration : 19.12.2023 Calibration Due On : 18.12.2024 Date of Issue : 20.12.2023 Location of Calibration : In lab Work Instruction No : TH/WI/05
Amb. Temp. : 24.4 °C Relative Humidity : 55 %RH Condition of Item : Physically Ok	

2) Details of UUC

Name : Thermohygrometer ID No : TEK-47 Make : HTC-1 Type : Digital	Range : -10 to 60°C ,10 to 99%RH L.C. : 0.1°C,1%RH Location : Lab
---	---

3) Standard Used for Calibration

Name : Temp/RH Indicator with Sensor Certificate No : TSC/23-24/13012-3 Certified By : CC-2231 ID/Sr No : FSC/TRH/01 Due Date : 09.11.2024	SSPRT with Indicator AVS/2023-048-001 CC-3524 FSC/TS/01 29.11.2024
--	--

4) Calibration Results : Thermal Calibration

a) Temperature @ 50 %RH

Calibration Point °C	Standard Readings °C	UUC Readings °C	Error °C	Expanded Uncertainty ±°C
5	4.98	4.8	-0.18	0.21
25	24.98	24.8	-0.18	0.23
50	49.96	49.7	-0.26	0.18

b) Humidity @ 25°C

Calibration Point %RH	Standard Readings %RH	UUC Readings %RH	Error %RH	Expanded Uncertainty ±%RH
30	29.98	29	-0.98	1.69
60	59.95	58	-1.95	1.69
90	89.93	87	-2.93	1.76

Note :

- The reported Expanded Uncertainty is calculated at 95.45 % Confidence level with coverage factor k=2.
- Equipment used for calibration were calibrated & traceable to National & International Standards.
- This report refers only to particular item (s) submitted for calibration. UUC stands for Unit Under Calibration
- The calibration results reported are valid at the time of and under the stated conditions of the measurements.
- This report shall not be reproduced in full / part without prior permission of Finestar Calibration Pvt Ltd
- The value measured of uuc & standard are mean of 5 reading.

Calibrated By

P.M
Calibration Engineer
P Honmore



Approved By

Mr Shafik Chorgaste
Quality Manager
Mr Shafik Chorgaste





CALIBRATION CERTIFICATE

Customer Name & Add. : M/s. Finestar Calibration Pvt.Ltd.,
Plot No.280, Sector No. 21, Yamunanagar, PCNTDA, Nigdi, Pune Maharashtra IND
411044

SRF No. : TSC/23-24/13012 Dated : 09 Nov 2023 Cert. Issued Date : 11 Nov 2023
ULR.NO CC223123000120612F

Calibration Certificate Number	Calibrated Date	Calibration Due Date	Page Number
TSC/23-24/13012-3	(10 Nov 2023)	(09 Nov 2024)	1 of 2

Details of device under calibration		Transcal ID : TSC386904	
Nomenclature	Digital Temperature Humidity Indicator With Sensor	No. of Pages	2
Make	Polltech	Cal Procedure No.	TSC/CAL/511
Model/Range	PSI-RHT-1B	DUC Received	09 Nov 2023
SI No.	1621/20482645	DUC Condition on Receipt	Satisfactory
ID No.	TSC/TRH/01	Cal At	Thermal Lab
Calibrated By	Dilip Kumar V, Calibration Engineer		

Environmental Conditions : Temperature in °C : 25 Humidity in RH % : 65

Standards used :

SI No.	Nomenclature	Make	Model	SI No./ID.No.	Certificate No.	Validity
1	Thermo Hygrometer	Rotronic	HP-32	5180082	ETL/526/23/C/F/222	(05 Jul 2024)
2	RTD Sensor with Indicator	Yep/Fluke	PT100/1524	11020778/2024 133	TSC/22-23/INH/TCAL-45- 1	(23 Jan 2024)

Note :

1. This Calibration Certificate relates only to the above DUC & Reported results are valid at the time of and under the stated conditions of measurements.
2. Partial Publication/ reproduction of this Certificate in any form is not permitted without the written consent of TransCal.
3. Errors if any, in this Certificate shall be brought to notice within 45 days from the date of this Certificate
4. Measurement Uncertainty reported is at approximately 95 % confidence level with k=2, Units of Measurement results & Measurement Uncertainty are same as that of range selected - Unless otherwise indicated.
5. Calibration of the DUC is traceable to National/International Standards.
6. Corrections/erasing invalidate the Calibration Certificate.
7. Unless otherwise specified the Measurement Data reported is 'As Found'-Without any adjustment.
8. The Decision Rule:

Simple Conformity Decision: Decision without considering Measurement Uncertainty. "PASS" indicates measured value is within or on threshold of Tolerance limit/Accuracy. "FAIL" indicates measured value is beyond threshold of Tolerance limit/Accuracy. "-" indicates no tolerance limit/Accuracy furnished.



Reviewed & Authorised By

V Shashidhar
(Lab Incharge)



CAL CERT. NO : TSC/23-24/13012-3

ULR.NO : CC223123000120612F

Range : Humidity : 10 to 95%RH Temperature : 0 to 100°C
Resolution : Humidity : 0.01 %RH Temperature : 0.01°C
Accuracy : Humidity : ±0.8 %RH Temperature : ±0.2°C

Results:

Humidity Calibration @ 25°C

Sl. No.	Standard Meter Reading in %RH	DUC Reading in %RH	Deviation Observed in %RH	Measurement Uncertainty in ± %RH	Remarks
1	10.21	10.78	0.57	1.20	Pass
2	30.28	29.66	-0.62	1.20	Pass
3	50.43	49.81	-0.62	1.20	Pass
4	70.62	70.18	-0.44	1.20	Pass
5	94.78	94.26	-0.52	1.20	Pass

Temperature Calibration @ 50%RH

Sl. No.	Standard Meter Reading in °C	DUC Reading in °C	Deviation Observed in °C	Measurement Uncertainty in ± °C	Remarks
1	0.003	0.18	0.177	0.27	Pass
2	10.003	10.15	0.147	0.27	Pass
3	20.004	19.91	-0.094	0.27	Pass
4	30.005	29.85	-0.155	0.27	Pass
5	50.007	49.81	-0.197	0.27	Pass

Conclusion

- 1 Accuracy mentioned as per the manufacturer specification
- 2 Calibration points are selected as per customer request

*** End of Certificate ***



Reviewed & Authorised By

V Shashidhar
(Lab Incharge)