

CALIBRATION CERTIFICATE

Discipline : - Thermal		7.8 F-02(T)	Page 1 of 1
ULR No.:- CC221322000001936F		Date of Request	04.07.2022
Certificate No. : NCL/G/2022/09/01		Date of Receipt of Item	05.07.2022
Calibrated For	M/S RELIABLE DIAGNOSTIC CENTER, Near Manglam City, Jaipur Road, Chomu Bypass Crossing, Radhaswami Bagh, Chomu (Rajasthan)	Calibrated on	06.07.2022
		Suggested Next Due Date	06.07.2023
		Cert. Issue Date	06.07.2022

Description of Sample

Nomenclature	Dig. Thermo- Hygrometer	Accuracy	N/A
Make/Model No.	R-Tek /R Tek-1	Condition of UUC	OK
Range	0 to 50 °C & 20 to 95 RH%	Calibration Performed at	Lab
Least count	0.1 °C & 1 RH%	Calibration Procedure No.	CP/T-08
S.No.	RT-45378	Test Purpose	Calibration
Party ID Mark No.	RDC/Chomu/THM/01	Reference Standard	ITS:90
Location	Lab	Environmental Cond's	25±4 °C
		RH %	30 to 75%

Master Equipment / Standard Used

S.N.	Nomenclature	Make	S.No./ I/D Mark	Calibrated By	Certificate No.	Due Date of Cal.
1	Digital Temperature & Humidity Indicator With Sensor	Polltech	4819 / 20275540 NCL/DTHM-01	JRPM	JRPM-CCTR-THER-2021-1359	25.11.2022

Standard used for calibration are traceable to National Standards through unbroken chain of calibration.

RESULTS -Temperature @ 50 RH %

S.N.	Std. Reading in °C	UUC Reading in °C	Error in °C	Uncertainty ± °C
1	10.56	10.5	-0.04	0.45
2	25.69	25.5	-0.23	0.59
3	45.71	45.4	-0.35	0.59

RESULTS -Humidity @ 25 °C

S.N.	Std. Reading in RH%	UUC Reading in RH%	Error in RH%	Uncertainty ±%RH
1	25.99	25	-0.99	1.60
2	51.14	50	-1.54	1.22
3	96.28	95	-1.68	1.76

Uncertainty expressed at approximately 95% Confidence Level with Coverage factor $k = 2$.

Remarks:

Note:-

- This results of calibration refers only to the particular item submitted for calibration
- This certificate shall not be reproduce, except in full, without the written permission of the laboratory.
- The above result are valid at the time of and under the stated condition of measurement.
- Calibration certificate without signature are not valid.
- *UUC = Unit under Calibration
- Statement of Conformity and applicable decision Rule as Standard.
- Observed values are average value of 5 consecutive reading.

Calibrated By

Pradeep Pandey
Calibration Engineer



Approved By

Yogesh Kumar / Nishant Tyagi
Quality Manager/Technical Manager