

MK BEST CALIBRATION SERVICES

NABL ACCREDITED CALIBRATION LABORATORY AS PER ISO/IEC17025 : 2017



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CC-3340

CERTIFICATE OF CALIBRATION

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ULR No	CC334023000007816F	Date of Calibration	21.09.2023	Date of Receipt	21.09.2023
Certificate No	MKBL/23/09/0870-004	Due Date of Calibration	20.09.2024	Date of Issue	23.09.2023
CUSTOMER INFORMATION			DETAILS OF UNIT UNDER CALIBRATION		
MS. SUGAM CLINICAL LAB, NO.166/4, HOSPITAL ROAD, VILLUPURAM			Description	THERMO HYGROMETER	
			Make / Model	ACETEQ / HTC-1	
			Range / Resolution	-10 to 50 ° C / 10 to 99% RH / 0.1° C / 1% RH	
			Serial No	HTC-1	
			ID No	SCL/EQP/GEN/05	
			Machine Name / No	---	
			Location	---	
			Calibrated at	LAB	
STANDARD INSTRUMENTS DETAILS (The Standards Used are Traceable to National /International Standards)					
S.No	Description	Id.No/Sl. No	Certificate No	Validity	
01	Temperature & Humidity Indicator with sensor	MK/CAL-43 / HTD42K152714	CRM/TL/01/423101578-A1	29.06.2024	
ENVIRONMENTAL CONDITIONS			REFERENCE STANDARD		
Temperature	23 ± °C	Procedure No	MKBCS - TH - 09		
Humidity	57 % RH	Condition of UUC Receipt	Good		
CALIBRATION RESULTS					
I.THERMAL CALIBRATION TEMPERATURE					
Parameter / Range	Standard Reading (°C)	UUC Reading (°C)	Deviation (° C)	Expanded Uncertainty (±) (° C)	
Temperature @ 50% RH	19.95	20.1	0.15	1.3	
	29.90	30.1	0.20		
	39.84	40.2	0.36		
	49.74	50.2	0.46		
Parameter / Range	Standard Reading (%RH)	UUC Reading (%RH)	Deviation (%RH)	Expanded Uncertainty (±) %RH	
Humidity @ 25°C	29.9	30	0.1	1.8	
	49.9	50	0.1		
	69.9	70	0.1		
	89.8	90	0.2		

Remarks :

- The Expanded Uncertainty Associated with the Results is Calculated at a Confidence Level of Approximately 95% with a Coverage factor of K=2.
- The Calibration Certificate Shall not be Reproduced Except In Full,Without Written Approval Of The Laboratory
- The Recalibration Interval is determined based on the User Requirement.
- The Results Stated In This Certificate Relate Only to the Item Calibrated.
- The User Should Determine The Suitability Of The Instrument For Its Intended Use.

1-1-1-1 Valid Of Certificate 1-1-1-1

Calibrated by

S. Chandrabose

S.Chandrabose
(Calibration Engineer)



Authorised by

L. Magesh

L.Magesh
(MD/QM)