

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	CC334023000007870F	Date of Calibration	22.09.2023	Date of Receipt	22.09.2023
Certificate No	MKBL/23-09/0883-004	Due Date of Calibration	21.09.2024	Date of Issue	25.09.2023
CUSTOMER INFORMATION			DETAILS OF UNIT UNDER CALIBRATION		
M/S. P J CLINICAL LABORATORY., NO.3, POONTHOTTAM PATHAI, VILLUPURAM - 605602			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	PJLEQP/GEN05	
			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 / HT1042K152714	CRMTL01/423101578-A1	29.06.2024	
ENVIRONMENTAL CONDITIONS			REFERENCE STANDARD		
Temperature	23.8 °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	19.98	20.1	0.12	1.3	
	29.93	30.1	0.17		
	39.81	40.2	0.39		
	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	
	49.8	50	0.2		
	69.8	70	0.2		
	89.6	90	0.4		
Remarks :					
1. The Expanded Uncertainty Associated with the Results is Calculated at a Confidence Level of Approximately 95% with a Coverage factor of K=2					
2. The Calibration Certificate Shall not be Reproduced Except In Full,Without Written Approval Of The Laboratory.					
3. The Recalibration Interval is determined based on the User Requirement.					
4. The Results Stated In This Certificate Relate Only to the Item Calibrated.					
5. The User Should Determine The Suitability Of The Instrument For Intended Use.					
Calibrated by				Authorized by	
 S.Chandrasekar (Calibration Engineer)				 L. Magesh (MD/QM)	