

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	CC334022000012239F	Date of Calibration	08.07.2022	Date of Receipt	08.07.2022
Certificate No	MKBL/22/07/0813-004	Recom. Due Date	07.07.2023	Date of Issue	08.07.2022
CUSTOMER INFORMATION			DETAILS OF UNIT UNDER CALIBRATION		
M/S., RAJ LAB SERVICES, NO : 145 A, S.V. KOIL STREET, PERAVALLUR, CHENNAI - 82.			Description	THERMO HYGROMETER	
			Make / Model	---	
			Range	-10 to 50 ° C / 10 to 99 % RH /0.1 ° C / 1 %RH	
			Serial No	DTH - 1	
			ID No	RAJLAB/EQP/CB/006	
			Manufacturer Name	HTC	
			Calibrated at	LAB	
STANDARD INSTRUMENTS DETAILS (The Standards Used are Traceable to National /International Standards)					
S.No	Description	Id.No/SI. No	Certificate No	Validity	
01	Temperature & Humidity Indicator with sensor	MK/CAL-43 / HTI042K152714	CRMTL/01/422101234-A5	04.07.2023	
ENVIRONMENTAL CONDITIONS			REFERENCE STANDARD		
Temperature	25 ± 4°C	Procedure No	MKBCS - TH - 09		
Humidity	30 - 75 % RH	Condition of DUC	Good		
CALIBRATION RESULTS					
I.THERMAL CALIBRATION TEMPERATURE					
Parameter / Range	Standard Reading (° C)	DUC Reading (° C)	Deviation (° C)	Expanded Uncertainty (±) (° C)	
Temperature @ 50% RH	20.12	20.1	0.02	0.42	
	30.16	30.2	-0.04		
	40.36	40.4	-0.04		
	50.48	50.8	-0.32		
Parameter / Range	Standard Reading (%RH)	UUC Reading (%RH)	Deviation (%RH)	Expanded Uncertainty (±) %RH	
Humidity @ 25°C	30.1	30	0.1	1.52	
	40.2	40	0.2		
	50.3	50	0.3		
	60.2	60	0.2		
	70.3	70	0.3		
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 Should be Determined 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 Is Intended Use.					
Calibrated by		x-x-x-x End Of Certificate x-x-x-x		Authorised by	
 S.Chandra Bose (Calibration Engineer)				 L.Magesh (MD/QM)	