



TMSCC

TESTING MACHINE SERVICE AND CALIBRATION CENTRE
Precision is Our Destination.....

An NABL Accredited Calibration Laboratory
A Constituent Board of Quality Council of India
An ISO 9001 : 2015 Certified company

Calibration of Various Instruments & Testing Machines...



CC - 3125

Form No.: TMSCC/R/23

CALIBRATION CERTIFICATE

CALIBRATION CERTIFICATE NO.: 2023/03/423 Page 1 of 3

ISSUE DATE : 17-Mar-2023

ULR No.: CC312523000002552P

1.0 ISSUED TO : M/s.: Anubhab Life care
2/8, Jessore Road(East),Genjmill , Near
Barasat Medical College ,Barasat, North 24 pgs,W.B

1.1 Service Request Form No.: SRF/2023/03/11/01

1.2 Service Request Date : 11-03-2023

1.3 Location : At Lab

1.4 Description identification of item to be calibrated :

i Name :	Digital Thermo Hygometer	ii Make :	HTC
iii Model / Type No.:	HTC-1	iv S/L No.:	--
v I.D.No.:	ALC/HYTH/01	vi Job Code No.:	2023/03/423
vii Range :	[(-)50 to 70] °C & (10 to 99)% RH	viii Resolution :	0.1°C & 1% RH
ix Accuracy :	As Per DKD R5 - 1 & DKD-R5-7	x End User :	--

1.5 Full / Partial Calibration : Partial Calibration

1.6 Applicable specification of item to be calibrated: Accuracy / permissible limit : Not Specified.

1.7 Date of receipt of item : 11-Mar-2023 **1.8** Date of calibration : 11-Mar-2023

1.9 Calibration due on : 11-Mar-2024 **2.0** Frequency of calibration once in : 366 Days

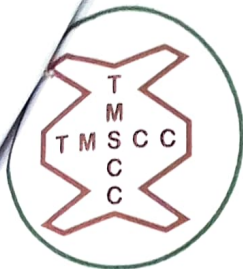
2.1 Environmental condition during calibration :
Temperature : 25°C ± 5°C
Humidity : (50 ± 20)% RH

2.2 Basis of calibration : SOP/10/04 & SOP/10/02

- The above Instrument has been calibrated over its range and the results are tabulated from page 2 of report.
- The Calibration Certificates relates only to the above DUC & reported results are valid at the time of and under the stated conditions of measurements.
- Errors if any, in this certificate shall be brought to notice within 45 days from the date of this certificate.
- NABL-133 guidelines are adopted for use of NABL symbol.
- This certificate shall not be reproduced, except in full, without the written permission of TMSCC
- Corrections/erasing. invalidate the Calibration Certificate- exception to the 'Final Page or Part of this Report- provided for incorporation of additional data(To be filled by customer authorized signatory and not under calibration laboratory control).
- Laboratory Standards are traceable to National Standards
- In Result Sheets, 'Pass' indicates measured readings are within specification limit, 'Fail' Indicates measured readings are out of specification limit & '-' indicates no specification limit furnished. Acceptance criteria as per IS

2.3 Traceability : Standards used for calibration are traceable to National Standards through NABL accredited Laboratory.

Name of Instrument	Sl. No. / ID no.	Certificate No.	Lab Certificate No.	Calibrated On	Due On
Digital Temperature Indicator with Sensor(RTD)	Sl. No.- 18K588073 (Sensor Sl. No.- 19102403)	TSC/22-23/12095-36	CC-2231	17-11-2022	17-11-2023
Digital Temperature Humidity Meter	(TMSCC/DHTM/01) (Sl. No.- 141017182)	TSC/22-23/12095-30			



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		Date: 17-Mar-2023				
		Page No.: 2 of 3				
CALIBRATION RESULTS						
Sl. No.	Denomination set in °C	Observed Reading at Ref. Std. in °C (Avg. of five readings)	Error in °C	Uncertainty in ± °C	Acceptance Criteria	
1	20.0	19.949	-0.051	0.19	Pass	
2	26.0	25.934	-0.066	0.19	Pass	
3	30.0	29.923	-0.077	0.19	Pass	
4	40.0	39.898	-0.102	0.31	Pass	
Maximum Permissible Error :		± 0.3% of rdg				
Measurement Uncertainty at 95% confidence level where coverage factor, k=2						
REMARKS : The DUC has been calibrated over its range. The readings observed are tabulated above. The reference standard is traceable to National standard.						
DUC: Device Under Calibration.						
Physical Status of the DUC : OK						


Calibrated By :


R. Ghosh
(Calibration Engineer)

Checked By :


S. Chowdhury
(Quality Manager)

Approved By :


P. K. Modak
(Sr. Calibration Engineer)





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Page No.: 3 of 3

CALIBRATION RESULTS

Sl. No.	Denomination set in %	Observed Reading at Ref. Std. in % (Avg. of five readings)	Error in %
1	45	46.0	1.0
2	51	52.1	1.1
3	55	56.2	1.2
4	65	66.4	1.4

REMARKS : The DUC has been calibrated over its range. The readings observed are tabulated above. The reference standard is traceable to National standard.

DUC: Device Under Calibration.

Physical Status of the DUC : OK

Calibrated By :

R. Ghosh

(Calibration Engineer)

Checked By :

S. Chowdhury

(Quality Manager)

Approved By :

P. K. Modak

(Sr. Calibration Engineer)

END OF CERTIFICATE

