



MEASURE TECHNO LAB

2, B.T. ROAD (JAYANTI CINEMA COMPLEX), BARRACKPORE, KOLKATA - 700120, W.B.



CC - 2545

Phone : 033 - 2215 - 0032, 2215 - 9687, 8100875519, Mobile: 9831190974, LAB:- 8100143376, E-mail: measuretechno@yahoo.co.in

CALIBRATION CERTIFICATE OF DIGITAL THERMO HYGROMETER

CALIBRATION CERTIFICATE NO.: MTL / HE / R03 / 09 - 24

ULR - CC254524000045111F

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1.0 Service Request No.: MTL / 13A / 09 / 24 - 25

1.1 Issued to: M/s. Halder Enterprise, 458 / 1A, Motilal Colony, P.O. - Rajbari, P.S. - Airport, Pin - 700081.

1.2 Description & Identification of item to be Calibrated: a) Name: Digital Thermo Hygrometer b) Code No.: HE / DTH - 02 c) Sl. No.: N.S. d) Make: Aptechdeals e) Model / Type: HTC - 1 f) Range: (-) 50 °C to 70 °C & 10 % RH to 99 % RH g) Sensor: N.A. h) Resolution: 0.1 °C & 1 % RH i) End User: Laboratory j) Accuracy: N.S. k) Calibration done at: On Site / √ In House

1.3 Date of receipt of item : 13-09-24

1.4 Physical Condition of DUC : OK

1.5 Date of calibration : 14-09-24

1.6 Recommended date of next calibration : 14-09-25

1.7 Date of Issue : 16-09-24

1.8 Environmental Conditions During Calibration: Temperature: 25 °C ± 4 °C Humidity: 30 % RH to 75 % RH

1.9 Method of Calibration: SOP / TH / HU - 01

2.0 Traceability :

- a) Standards used for calibration are traceable to National standards through NABL Accredited Laboratory. b) The following standards / Equipment have been used.

i) Temperature & Humidity Meter Cal. Certificate No. RPL-CF-2024-THER-CSRF-0674-C-1192 (JRPM, Chennai) (Cal. Date: 15/07/24, Due Date: 14/07/25)

2.1 Result :

Thermal Calibration : (Specific Heat & Humidity.)

Table with 6 columns: Sl. No., Parameter/Range, Measured Value on DUC °C, Corrected Std. Value °C, Error °C, Measurement Expanded Uncertainty ± °C & % RH. Rows include Temperature (-) 50 °C to 70 °C and Humidity 10 % RH to 99 % RH.

- Remarks: i) This result has an expanded uncertainty with a coverage factor k=2 at approximately 95% confidence level. ii) The calibration certificate issued for this instrument is to be used for scientific or industrial purposes only. iii) Error = DUC Reading - Standard Reading. iv) Calibrations are carried out without any adjustment or repair.

DUC - Device Under Calibration N.S. - Not Specified N.A. - Not Applicable Std. - Standard

Table with 2 columns: Opinions and Interpretations, Accepted / Valid for use / Rejected / Out of use. Rows: Calibrated, Limited Use.

Calibration Engineer Measure Techno Lab Kolkata J.Dey Calibration Engineer

Checked/Approved by: S. Pandey Quality / Technical Manager