



<b>MEASURE TECHNO LAB</b> <b>2, B.T. ROAD (JAYANTI CINEMA COMPLEX)</b> <b>BARRACKPORE, KOLKATA - 700120, W.B.</b>		Form No. - MTL/22/2006	 NABL ACCREDITED LABORATORY Certificate No. CC - 2515		
Phone : 033 - 2215 - 0032, 2215 - 9687, 8100875519, Mobile: 9831190974 , LAB:- 8100143376, E-mail: measuretechno@yahoo.co.in		<b>CALIBRATION CERTIFICATE OF</b> <b>DIGITAL THERMO HYGROMETER</b>			
CALIBRATION CERTIFICATE NO.: MTL / HOP(LN-II) / R07 / 09 - 21		ULR - CC254521000018559F	Page: 1 of 1		
<b>1.0 Service Request No.:</b> MTL / 14E / 09 / 21 - 22					
<b>1.1 Issued to:</b> House of Pathology Labs Pvt. Ltd. L - 113, Lajpat Nagar - 2, New Delhi - 24.					
<b>1.2 Description &amp; Identification of item to be Calibrated:</b>					
a) Name: Digital Thermo Hygrometer		b) Code No.: HOP/DTH-03			
c) Sl. No.: N.S.		d) Make: Instrumentics			
e) Model / Type: HTC - 2		f) Range: As Per Report			
g) Sensor: N.A.		h) Resolution: 0.1 °C & 1 % RH			
i) End User: Lab		j) Accuracy: N.S.			
k) Calibration done at: On Site / √ In House					
1.3 Date of receipt of item : 09-09-21		1.4 Physical Condition of DUC : OK			
1.5 Date of calibration : 14-09-21		1.6 Recommended date of next calibration : 14-09-22			
1.7 Date of Issue : 16-09-21					
<b>1.8 Environmental Conditions During Calibration:</b> Temperature: 23.9 °C Humidity: 59.4 % RH					
<b>1.9 Method of Calibration:</b> SOP / TH / HU - 01					
<b>2.0 Traceability :</b>					
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 Data Logger Cal. Certificate No. JRPM-CCTR-THER-2020-0608 (JRPM, Chennai) (Cal. Date: 16/09/20, Due Date: 15/09/21)					
<b>2.1 Result :</b>					
<b>Thermal Calibration</b>					
Sl. No.	Parameter/ Range	Measured Value on DUC °C	Corrected Std. Value °C	Error °C	Measurement Expanded Uncertainty ± °C & % RH
1.	Temperature	10.2	10.3	-0.1	0.89
2.		25.1	25.4	-0.3	0.89
3.		39.8	40.3	-0.5	0.89
4.		46.9	47.8	-0.9	0.89
5.	Humidity	% RH	% RH	% RH	1.79
6.		31	31.2	-0.2	1.79
7.		60	60.6	-0.6	1.79
8.		75	75.9	-0.9	1.79
8.		90	91.3	-1.3	1.79
<b>Remarks:</b> 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.					
DUC - Device Under Calibration      N.S. - Not Specified      N.A. - Not Applicable      Std. - Standard					
<b>Opinions and Interpretations</b>					
Calibrated		√	Accepted / Valid for use		
Limited Use			Rejected / Out of use		
Calibrated by: <i>J. Dey</i> J. Dey Testing Engineer		 Checked / Approved by: <i>S. Pandey</i> Quality & Technical Manager			
<i>Testing Engineer</i> Measure Techno Lab Kolkata			<i>S. Pandey</i>		