



Calibration Certificate



CC 2733

FORMAT NO. BELZ/F/28

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Name & Address of Client M/s: National Centre for Quality Calibration, 4, Abhishree Corporate Park, Nr. Swagat Bungalows BRTS, Opp. Shell Petrol Pump, Iskon-Bopal	Certificate No.	30070326
	ULR No.	CC273323300007078F
	Date of Issue	10/07/2023
	Date of Calibration Start & End	05/07/2023 - 05/07/2023
	Recommended Due Date	05/07/2024
	Service request No & Date	SO23-16738 - 03/07/2023

Instrument Details			
Instrument/Parameter Name	Hygropalm With Standard Probe	Range/Size	10 to 60°C/0 to 100%RH
Equipment/ Machine	N/A	Accuracy/Acceptance Criteria	±0.1°C/±0.8%RH
Equipment Location	Not Specified	Least Count/Resolution	0.01°C/0.01%RH
Make/Model	Rotronic/HP-32	Calibrated At	Lab
Sr.No.	5181935/20281776		
ID.No.	NCQC/T-161		

Master Equipment Used [Reference Standard/Working Standard]						
Sr. No.	Instrument Name	ID/Sr.No	Accuracy/Acceptance Criteria	Certificate No.	Calibrated By	Due Date
1	Digital Thermometer	BELZ/T/TM-01 / 064565	As Per Manual	AIPL/2022/0541	Anshaankan (NABL CC-2020)	30/07/2023
2	Standard Platinum Resistance Thermometer (SPRT), Pt-100	BELZ/T/S/SPRT-01/ 05580	As Per Manual	FL/C/TH/11032023-C001	Fare Labs (NABL CC-2739)	13/03/2024
3	Digital Humidity & Temperature Indicator With Sensor	BELZ/T/RHI-03/ 6220 / 20365987	±0.8%RH	FL/C/TH/12012023-C002	Fare Labs (NABL CC-2739)	13/01/2024

Environmental Condition	Temperature(°C)	25±3	Calibration Method	CI(T)-07
	Relative Humidity(%RH)	30 to 70		

Calibration Results			
S.No.	Std.Avg.Readings in	UUC Avg.Readings in	Expanded Uncertainty(±)
	IN Deg C AT 50%RH	IN Deg C AT 50%RH	
01.	0.148	0.10	±0.19°C
02.	10.139	10.06	
03.	24.986	24.88	
04.	40.181	40.12	
05.	50.107	50.03	
	IN %RH AT 25°C	IN %RH AT 25°C	
01.	11.19	10.81	±0.61%RH
02.	30.09	29.58	
03.	50.65	50.28	
04.	70.34	69.78	
05.	95.06	94.42	

The Expanded Uncertainty of measurement was evaluated at a confidence-level of 95.45% with coverage factor, k=2 for a normal probability distribution.
UUC-Unit Under Calibration

Remarks: "The measurement result is within the tolerance limit specified by customer".
Status-"Pass".

<p>Notes:</p> <ol style="list-style-type: none"> This Certificate refers only to the particular item submitted for calibration. This Certificate shall not be reproduced, except in full, without the written permission of Chief Executive Belz Instruments Pvt. Ltd., FARIDABAD. Results Reported are valid at the time of and under the stated conditions of measurement. Calibration Certificates issued for Weight & Measure parameters i.e. Mass, Balance, Volumetric equipment, Measuring Scales / Tapes etc. are for scientific purpose only and should not be used for Trade / Commercial use. UUC has been calibrated against lab standards whose values are traceable to SI units through reference standards, calibrated by NPL / NABL Accredited Labs. 	<p>Calibrated by: Chandrakant Calibration Engg.</p> <p>Approved by: N.K.Nehra/L.K.Nehra/Vaishali Nehra Quality/Technical/Dy. Technical Manager</p>
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NCQC
 Valid up to 05-07-2024
 Reviewed: Rajan

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NCQC System Certificate No. 335