



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,Isckon-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

NCQC System Certificate No. 335

NCQC Valid up to 05/07/2024 Reviewed Jigud

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

- Notes:
- 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.

Calibrated by: Chandrakant Calibration Engg.

Approved by: N.K.Nehra/A.K.Nehra/Vaishali Nehra Quality/Technical/Dy. Technical Manager

BELZ CALIBRATION LAB

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