



NUTECH CALIBRATORS & ENGINEERS

(NABL Accredited Calibration Laboratory)

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CC-3304

Format No.: F/NCE/LAB/20		CALIBRATION CERTIFICATE OF : MUFFLE FURNACE			
Calibration Certificate No.: NCE-MF-22012905-22-23		Issue Date: 5-Jan-2023			
Date of Calibration: 3-Jan-2023		Calibration Due On: 3-Jan-2024			
ULR No.: CC330422000012905F		Frequency of Calibration: 12 Months			
Location of Calibration: On Site		Instrument Receipt Date: 3-Jan-2023			
Issued To: M/s : Dey's Medical Stores Pvt. Ltd. Minerva Garden Complex, D.H Road, Joka, 24 Pgs(S), Kolkata-700104					
Service Request/Order No.: -					
Description Identification of instrument to be calibrated:					
Name: Digital Temp. Controller of Muffle Furnace					
Make: i-therm		ID No.: DMJQ-15		Range: Upto 1200°C (750°C Working Range)	
Model: -		Sr. No.: AI-7481		Resolution: 1 °C	
Location: QC Chemical				Discipline: Thermal	
Applicable specification of item to be calibrated: Accuracy/Permissible Limit:				Not Specified.	
Basis Of Calibration:					
S.O.P No.: SOP/TC/TH-02			Description of Method:		
Standard Followed: --			Comparison Method		
Recommended Environmental Condition:			Environmental Condition during Calibration:		
Temperature: 25°C ± 4°C		Temperature: 23.6 °C		Humidity: 54.9 % RH	
Humidity: 50%RH ± 10%RH					
Traceability: Standards used for calibration are traceable to National / International Standards through ISO/IEC: 17025 accredited laboratory					
Sr. No.	Name of the Standard Instruments Used (Make, Sl. No./Code No.)	Certificate No.	Calibration Date	Calibration Due Date	Traceable to
1	Dig Thermometer with Sensor (158065943)	TSC/20-21/12835-3	03/03/2021	03/03/2023	Transcal (Bangalore)
CALIBRATION RESULT					
Parameter/Range	Sl.No	Temperature Set at DUC in °C	Average Temp. Observed at Ref. Std. in °C	Error in °C	Measurement Uncertainty (±) in °C
Temperature	1	100	101.12	-1.12	1.60
	2	200	201.52	-1.52	
	3	400	402.89	-2.89	
	4	600	602.96	-2.96	
	5	800	803.22	-3.22	
	6	1000	1004.34	-4.34	
	7	1100	1105.33	-5.33	
Note: i) Average of 5 readings had been taken in DUC/STD.					
ii) Measurement Uncertainty reported is at approximately 95% confidence level with k=2, Units of Measurement results & Measurement Uncertainty are same as that of range selected-Unless otherwise indicated.					
iii) NABL-133 guidelines are adopted for use of NABL symbol					
iv) DUC: Device Under Calibration					
v) Physical Status Of DUC : Ok					
This certificate, issued by Nutech Calibrators & Engineers, refers only for the particular item submitted to calibrate.					

CALIBRATED BY: B.Bera *B Bera*
(C. E.)



APPROVED BY: S.Ghosh *S Ghosh*
(T.M.)

END OF CERTIFICATE