



# NUTECH CALIBRATORS & ENGINEERS

(NABL Accredited Calibration Laboratory)

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CC-3304

Format No.:F/NCE/LAB/20		<b>CALIBRATION CERTIFICATE OF :</b>			
		<b>DIGITAL TEMP. INDICATOR OF MELTING POINT APPARATUS</b>			
Calibration Certificate No.: NCE-DTIMPA-22012902-22-23		Issue Date: 5-Jan-2023			
Date of Calibration: 3-Jan-2023	Calibration Due On: 3-Jan-2024				
Q.R. No.: CC330422000012902F	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 Temperature Indicator of Melting Point Apparatus					
Make: EI	ID No.: DMJQ-17	Range: Upto 300 °C			
Model: -	Sr. No.: -	Resolution: 1 °C			
Location: Laboratory		Discipline: Thermal			
Applicable specification of item to be calibrated: Accuracy/Permissible Limit:			Not Specified.		
Basis Of Calibration:		Description of Method:			
S.O.P No.: SOP/TC/TH-02		Comparison Method			
Standard Followed:		Environmental Condition during Calibration:			
Recommended Environmental Condition:		Temperature	Humidity		
Temperature:	25°C ± 4°C	23.8 °C	55.4 % 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 (15B065943)	TSC/20-21/12835-3	03/03/2021	03/03/2023	Transcal (Bangalore)
<b>CALIBRATION RESULT</b>					
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	100.94	-0.94	0.60
	2	150	151.66	-1.66	
	3	200	201.94	-1.94	
	4	225	227.73	-2.73	1.55
	5	255	257.95	-2.95	
	6	290	293.29	-3.29	
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