



NUTECH CALIBRATORS & ENGINEERS

(NABL Accredited Calibration Laboratory)

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Format No.: F/NCE/LAB/20

**CALIBRATION CERTIFICATE OF :
DIGITAL TEMPERATURE CONTROLLER**

Calibration Certificate No.: NCE-DTC-22012903-22-23 Issue Date: 5-Jan-2023

Date of Calibration: 3-Jan-2023 Calibration Due On: 3-Jan-2024

ULK No.: CC330422000012903P 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 Controller of Viscosity Meter

Make: Selec ID No.: DMJQ-16 Range: 0 to 60°C (37°C Working Range)

Model: TC 544/ PT-100 Sr. No.: - Resolution: 0.1 °C

Location: QC Test Discipline: Electro-Technical

Applicable specification of item to be calibrated: Accuracy/Permissible Limit: Not Specified

Basic of Calibration:
S.O.P No.: SOP/ET-06

Standard Followed:
Recommended Environmental Condition:
Temperature: 25°C ± 4°C
Humidity: 50%RH ± 10%RH

Description of Method:
Comparison Method
Environmental Condition during Calibration:
Temperature: 24.4 °C Humidity: 57.2 % 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, SI No./Code No.)	Range	Resolution	Calibration Due Date	Traceable to/ Certificate No.
1	Multifunction Process Calibrator (S/N: 2325162)	As per calibration report	...	11/Mar/23	Transcal (Bangalore) TSC/21 22/13200-1

CALIBRATION RESULT

Parameter/Range	SI No	Reading on Due in °C	Temp. Set at Ref. Std. in °C	Error in °C	Measurement Uncertainty (±) in °C
Temperature	1				0.756
	2	19.8	20	-0.2	
	3	29.9	30	-0.1	
	4	36.7	37	-0.3	
	5	49.5	50	-0.5	
		59.4	60	-0.6	

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.)