



NEWTECH CALIBRATION LABORATORY

(NABL Accredited Calibration Laboratory)

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Format No.: NCL/FF/25

Calibration Certificate No.: **NCL-DC-2400101-23-24** Issue Date: **4-Jan-2024** **CALIBRATION CERTIFICATE OF: DIGITAL CALIPER** Page 1 of 1

Date of Calibration: **3-Jan-2024** Calibration Due On: **3-Jan-2025**

OCB No.: **CC357524000000101F** Frequency of Calibration: **12 Months**

Location of Calibration: **At Lab** Instrument Receipt Date: **3-Jan-2024**

Issued To: **M/s. Dey's Medical Stores Pvt. Ltd.**

Minerva Garden Complex, Joka, South 24 Pgs

Kolkata - 700104

Service Request/Order No.: **JWO/QP/2324/0001**

Descriptive Identification of instrument to be calibrated:

Name: **Digital Caliper** Range: **0 to 150 mm**

Maker: **Mitsuyo** Resolution: **0.01 mm**

Model: **-** Discipline: **Mechanical**

Sr. No.: **A19180038** Not Specified

Location: **QC Lab**

Applicable specification of item to be calibrated: **Accuracy/Permissible Limit:**

Basis of Calibration: **Not Specified**

S.O.P No.: **NCL/WI/03/D-01**

Standard Followed: **16491(Part-1)2016 (Ref 2021)**

Recommended Environmental Condition:

Temperature: **20°C ± 2°C** Environmental Condition during Calibration:

Humidity: **50%RH ± 10%RH** Temperature: **21.1 °C** Humidity: **55.3 % RH**

Traceability Standards used for calibration are traceable to National / International Standards through

ISIRI/IEC: 17025 accredited laboratory

Details of Standard Equipment used for Calibration

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CALIBRATION RESULT

Sr. No.	Observation Reading on DUC (mm)	Standard Reading (mm)	Error (mm)	Permissible Error (micron)	Measurement Uncertainty (micron)
1	0.00	0.000	0.000		± 10
2	10.04	10.040	0.000		
3	20.08	20.080	0.000		
4	50.10	50.100	0.000		
5	75.00	75.000	0.000		
6	99.99	100.000	-0.010		
7	149.99	150.000	-0.010		

Sr. No.	Observation Reading on DUC in mm	Standard Reading in mm	Error in micron
1	10.00	10.000	0

External Measuring Faces	Observed Error in micron	Permissible Error in micron
External Measuring Faces	2	
Internal Measuring Faces	4	

Remarks: **Statement of conformity not mentioned.**

Note: i) This Calibration Certificate relates only to the above DUC & Reported results are valid at the time of and under the stated conditions of measurements. 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 vi) The certificate issued for industrial purpose only not for commercial activities. vii) Partial publication/reproduction of this certificate in any form is not permitted without the written consent of NCL.

This certificate, issued by Newtech Calibration Laboratory, refers only for the particular item submitted to calibrate.

CALIBRATED BY: **B. Bera** (Calibration Engineer)

APPROVED BY: **Shusovan Ghosh** (Technical Manager)

