



TESTING MACHINE SERVICE CENTRE

ACCREDITED BY NABL

BALITIKURI SHIBTALA INDUSTRIAL ESTATE, HOWRAH - 711113, WB, INDIA

Website - www.testingmachlne.org

FORM No. : TMS/MSD/FM-08



CALIBRATION CERTIFICATE

| | | | | |
|---------------------------|-------------------|---|-----------------------|----------------|
| DESCRIPTION OF INSTRUMENT | | Certificate No: | TMSC/24/M-09153 | |
| NAME : | Micro Pipette | ULR No. | CC249824000012814F | |
| RANGE: | 100 to 1000 µl | Certificate issue Date: | 05-08-2024 | |
| LEAST COUNT: | 5 µl | Date of Calibration: | 03-08-2024 | |
| MAKE: | Mictolit | Suggested Calibration Due On: | 02-08-2025 | |
| SERIAL NO: | 21405360 | Job Code No: | TMSC/JUL/30/07 | |
| MODEL NO/TYPE: | ---- / Graduated | Customer's Details M/s. Vidyasagar State General Hospital. Add : 4, Bramho Samaj Road, Kolkata - 700034. | | |
| ID NO: | 21405360 | | | |
| VISUAL INSPECTION: | OK | | | |
| ACCURACY | N/A | | | |
| DISCIPLINE/GROUP | Mechanical-Volume | | | |
| CALIBRATED AT | TNSC LAB | | | |
| Environmental Condition | Temperature | 20±2°C | Calibration Reference | IS: 4787 |
| | Relative Humidity | 50±10% | Calibration Procedure | TMSC/MSD/WI-24 |

STANDARDS USED FOR CALIBRATION ARE TRACEABLE TO NATIONAL OR INTERNATIONAL STANDARDS THROUGH NABL ACCREDITED LABORATORY.
MASTER (S) USED FOR CALIBRATION:-

| Instrument Name | Certificate No | Valid Upto | Calibrated By |
|---------------------------|-------------------|------------|------------------|
| S.S weight Set (E1 Class) | TYE/W/02/2023/008 | 08.02.2026 | NABL LAB CC-3226 |
| Digital Balance | TMSC/24/M-08726 | 18.07.2025 | NABL LAB CC-2498 |

Calibration Results

| Sr. No. | Nominal value on U.U.C (µl) | Volume at V27 (µl) | Error (µl) |
|---------|-----------------------------|--------------------|------------|
| 1 | 200 | 199.99297 | 0.03403 |
| 2 | 500 | 500.01725 | 0.05025 |
| 3 | 1000 | 999.94430 | 0.05570 |

Uncertainty of measurement (at 95% confidence level, k=2): ± 2 µl

REMARKS : The UUC* (UNIT UNDER CALIBRATION) has been calibrated for its range.

Note : 1) This certificate refers only to the particular Item (s) submitted for calibration.

2) This certificate refers to the values obtained at the time of calibration.

3) This certificate shall not be reproduced, except in full, unless written permission has been obtained from CEO/TMSC.

4) 5 Nos. measurements were made for each reading.

**** End of Certificate****

Calibrated By
(Calibration Engineer)
DEBIKA ADHIKARY



Approved By
(Technical Manager)
BHASKAR CHATTERJEE



TESTING MACHINE SERVICE CENTRE

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BALITIKURI SHIBTALA INDUSTRIAL ESTATE, HOWRAH - 711113, WB, INDIA
Website - www.testingmachine.org

FORM No. : TMSC/MSD/FM-08



CC-2498

CALIBRATION CERTIFICATE

| | | | | |
|---------------------------|-------------------|---|-----------------------|----------------|
| DESCRIPTION OF INSTRUMENT | | Certificate No: | TMSC/24/M-09154 | |
| NAME: | Micro Pipette | ULR No. | CC249824000012815F | |
| RANGE: | 20 to 200 μ l | Certificate Issue Date: | 05-08-2024 | |
| LEAST COUNT: | 1 μ l | Date of Calibration: | 03-08-2024 | |
| MAKE: | Mictolit | Suggested Calibration Due On: | 02-08-2025 | |
| SERIAL NO: | 20405700 | Job Code No: | TMSC/JUL/30/07 | |
| MODEL NO/TYPE: | --- / Graduated | Customer's Details M/s. Vidyasagar State General Hospital. Add : 4, Bramho Samaj Road, Kolkata - 700034. | | |
| LD NO: | 20405700 | | | |
| VISUAL INSPECTION: | OK | | | |
| ACCURACY | N/A | | | |
| DISCIPLINE/GROUP | Mechanical-Volume | | | |
| CALIBRATED AT | TNSC LAB | | | |
| Environmental Condition | Temperature | 20 \pm 2 $^{\circ}$ C | Calibration Reference | IS: 4787 |
| | Relative Humidity | 50 \pm 10% | Calibration Procedure | TMSC/MSD/WI-24 |

STANDARDS USED FOR CALIBRATION ARE TRACEABLE TO NATIONAL OR INTERNATIONAL STANDARDS THROUGH NABL ACCREDITED LABORATORY.
MASTER (S) USED FOR CALIBRATION:-

| Instrument Name | Certificate No | Valid Upto | Calibrated By |
|---------------------------|-------------------|------------|------------------|
| S.S weight Set (E1 Class) | TYE/W/02/2023/008 | 08.02.2026 | NABL LAB CC-3226 |
| Digital Balance | TMSC/24/M-08726 | 18.07.2025 | NABL LAB CC-2498 |

Calibration Results

| Sr. No. | Nominal value on U.U.C (μ l) | Volume at V27 (μ l) | Error (μ l) |
|---------|-----------------------------------|--------------------------|------------------|
| 1 | 50 | 49.9928 | 0.0139 |
| 2 | 100 | 99.9992 | 0.0143 |
| 3 | 200 | 199.9795 | 0.0205 |

Uncertainty of measurement (at 95% confidence level, k=2): $\pm 2 \mu$ l

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**** End of Certificate****

Calibrated By
(Calibration Engineer)
DEBIKA ADHIKARY



Approved By
(Technical Manager)
BHASKAR CHATTERJEE

Contact No : 9038033905, 9831233902
Email : testingmachine3@gmail.com