

CALIBRATION CERTIFICATE

Certificate No: SBS/CL/23/10242

Page. No: 1 of 1

Customer Name & Address

GOVERNMENT PRIMARY HEALTH CENTRE,
SORANCHERY-600072.

| | |
|--------------------------|-------------------|
| SRF No. | SRF/23/00312-0021 |
| SRF Date | 12-08-2023 |
| Date of Receipt | 12-08-2023 |
| Date of Calibration | 12-08-2023 |
| Due Date for Calibration | 11-08-2024 |
| Issue Date | 14-08-2023 |

Details of Unit Under Calibration

| | | | |
|---------------|----------------|---------------------|-------------------|
| Description | MICRO PIPETTE | Make | THERMO SCIENTIFIC |
| Range | 100-1000 µl | Model | FINNPIPETTE F3 |
| Resolution | 1 µl | Material | PVC |
| Serial Number | QW10280 | Operating Range | 100-1000 µl |
| ID Number | NA | Condition of UUC | Good |
| Cal. At | Mechanical Lab | Instrument Location | LABORATORY |

Environmental Condition

Calibration Method Used

| | | | | | |
|-----------------------------|------|------------------------|------|-----------------------------------|-----------------|
| Temperature (°C) | 23.6 | Humidity (%RH) | 55 | National / International Standard | ISO 8655-6:2002 |
| Atmospheric Pressure (mbar) | 1006 | Water Temperature (°C) | 21.6 | Cal Procedure No | SBS/CP/ML/08 |

Standard Used

| SI. No. | Description | ID.No. / SI. No. | Certificate No. | Make/Model | Traceability | Valid till |
|---------|-----------------------------|------------------|--------------------|--------------|--------------------|------------|
| 1 | Electronic Weighing Balance | 15112918 | TVCSP22/12/2115-01 | A&D & GH-252 | National Standards | 09-12-2023 |

Z Factor: 1.00319


Result of Calibration in µl

| Sl. No. | Nominal Value | Observed Readings | | | | | Mean Value | Systematic Error | Random Error | Measurement Uncertainty (±) |
|---------|---------------|-------------------|--------|--------|--------|--------|------------|------------------|--------------|-----------------------------|
| | | | | | | | | | | |
| 1 | 100 | 99.95 | 99.86 | 99.87 | 99.85 | 99.87 | 99.87 | -0.13 | 0.03 | 0.47 |
| | | 99.85 | 99.86 | 99.87 | 99.84 | 99.86 | | | | |
| 2 | 500 | 499.85 | 499.86 | 499.85 | 499.84 | 499.85 | 499.84 | -0.16 | 0.02 | 0.47 |
| | | 499.80 | 499.83 | 499.84 | 499.85 | 499.86 | | | | |
| 3 | 1000 | 999.74 | 999.75 | 999.76 | 999.78 | 999.79 | 999.76 | -0.24 | 0.02 | 0.47 |
| | | 999.76 | 999.77 | 999.78 | 999.75 | 999.74 | | | | |

Remarks


- 1.This Calibration certificate shall not be reproduced except in full, without written approval of the laboratory.
- 2.The user should determine the suitability of the instrument for its intended use.
- 3.The recalibration interval should be determined on the user requirement.
- 4.The results stated in this certificate relate only to the item calibrated.
5. Equipment used for Calibration were calibrated & traceable to National & International Standards
- 6.The indicated uncertainties are expanded uncertainty estimated for a confidence level of approximately 95% for a coverage factor k=2.00 .
7. Calibration Liquid Used: Distilled or Deionized water conforming Grade3 as specified in ISO 3696.

Calibrated By,


 (Calibration Engineer)
 M.RAGUL



Authorised by:


 (Quality Manager/Chief Executive)
 D.VETRI SELVI