



CALIBRATION CERTIFICATE

Certificate No: SBS/CL/23/13818

Page No: 1 of 1

Customer Name & Address

GOVERNMENT PRIMARY HEALTH CENTRE,
KOTTUR-625534, THENI DISTRICT.

| | |
|--------------------------|-------------------|
| SRF No. | SRF/23/00818-0003 |
| SRF Date | 09-10-2023 |
| Date of Receipt | 08-10-2023 |
| Date of Calibration | 09-10-2023 |
| Due Date for Calibration | 08-10-2024 |
| Issue Date | 09-10-2023 |

Details of Unit Under Calibration

| | | | |
|---------------|----------------|---------------------|-------------------|
| Description | MICRO PIPETTE | Make | THERMO SCIENTIFIC |
| Range | 100-1000µl | Model | FINNPIPETTE F3 |
| Resolution | 1µl | Material | PVC |
| Serial Number | RW12616 | Operating Range | 100-1000µl |
| ID Number | NA | Condition of UUC | Good |
| Cal. At | Mechanical Lab | Instrument Location | LABORATORY |

| Environmental Condition | | | | Calibration Method Used | |
|-----------------------------|------|------------------------|------|-----------------------------------|-----------------|
| Temperature (°C) | 23.9 | 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

| Sl. No. | Description | ID.No. / Sl. No. | Certificate No. | Make/Model | Traceability | Valid till |
|---------|-----------------------------|------------------|---------------------|--------------|--------------------|------------|
| 1 | Electronic Weighing Balance | 15112918 | TVCSP/22/12/2115-01 | A&D & GH-252 | National Standards | 09-12-2023 |

Z Factor: 1.00319

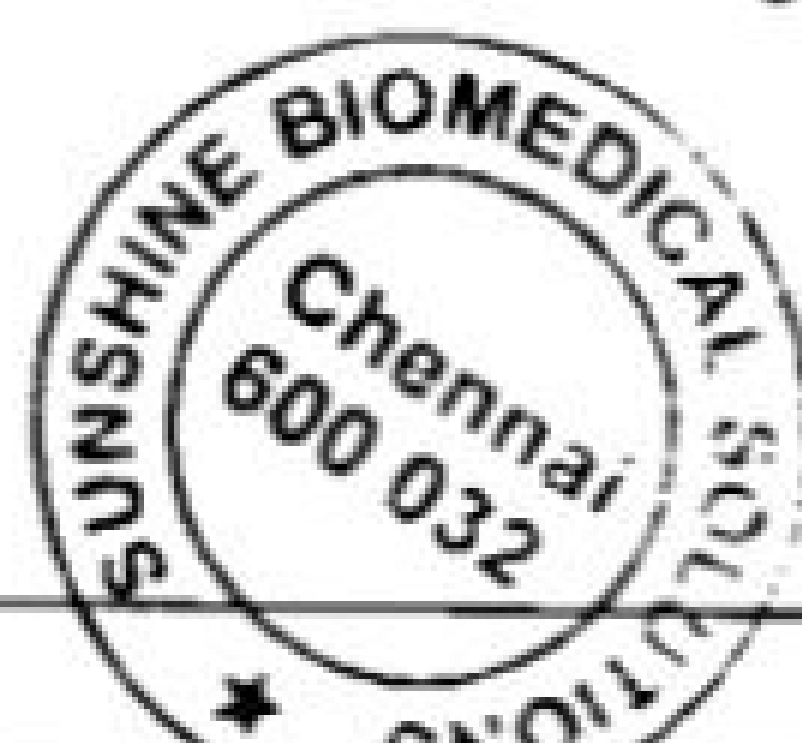
| Result of Calibration in µl | | | | | | | | | | | |
|-----------------------------|---------------|-------------------|--------|--------|--------|--------|------------|------------------|--------------|-----------------------------|--|
| Sl. No. | Nominal Value | Observed Readings | | | | | Mean Value | Systematic Error | Random Error | Measurement Uncertainty (±) | |
| 1 | 100 | 99.87 | 99.88 | 99.85 | 99.86 | 99.85 | 99.87 | -0.13 | 0.01 | 0.47 | |
| | | 99.88 | 99.89 | 99.87 | 99.85 | 99.86 | | | | | |
| 2 | 500 | 499.85 | 499.86 | 499.87 | 499.86 | 499.87 | 499.86 | -0.14 | 0.01 | 0.47 | |
| | | 499.86 | 499.87 | 499.85 | 499.86 | 499.85 | | | | | |
| 3 | 1000 | 999.85 | 999.86 | 999.85 | 999.85 | 999.85 | 999.85 | -0.15 | 0.01 | 0.47 | |
| | | 999.85 | 999.84 | 999.83 | 999.85 | 999.86 | | | | | |

Remarks

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

Calibrated By,

(Signature)
(Calibration Engineer)
M.RAGUL



Authorised by:

(Signature)
Quality Manager/Chief Executive
C.SIVABALAN

SUNSHINE BIOMEDICAL SOLUTIONS

No:68, First Floor, Poomagal Main Road, Ekkattuthangal, Chennai - 600 032, Tel: 044 - 2225 2087,

E-Mail: calibration@sunshinebiomedical.com, Website: www.sunshinebiomedical.com.