

**CALIBRATION CERTIFICATE**

Certificate No: SBS/CL/23/12103

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**Customer Name & Address**

GOVERNMENT COMMUNITY HEALTH CENTRE,  
THIRUPPUKUZHI-631551,KANCHIPURAM DISTRICT.

|                          |                   |
|--------------------------|-------------------|
| SRF No.                  | SRF/23/00479-0004 |
| SRF Date                 | 29-09-2023        |
| Date of Receipt          | 27-09-2023        |
| Date of Calibration      | 29-09-2023        |
| Due Date for Calibration | 28-09-2024        |
| Issue Date               | 30-09-2023        |

**Details of Unit Under Calibration**

|               |                |                     |                   |
|---------------|----------------|---------------------|-------------------|
| Description   | Micro Pipette  | Make                | THERMO SCIENTIFIC |
| Range         | 10-100µl       | Model               | FINNPIPETTE F3    |
| Resolution    | 0.2µl          | Material            | PVC               |
| Serial Number | PW03441        | Operating Range     | 10-100µl          |
| ID Number     | NA             | Condition of UUC    | Good              |
| Cal. At       | Mechanical Lab | Instrument Location | LABORATORY        |

**Environmental Condition**

**Calibration Method Used**

|                             |      |                        |      |                                   |                 |
|-----------------------------|------|------------------------|------|-----------------------------------|-----------------|
| Temperature (°C)            | 23.8 | Humidity (%RH)         | 57   | 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. / 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       | 10.0          | 9.94              | 9.97  | 9.96  | 9.95  | 9.93  | 9.95       | -0.05            | 0.02         | 0.47                        |
|         |               | 9.98              | 9.95  | 9.94  | 9.96  | 9.93  |            |                  |              |                             |
| 2       | 50.0          | 49.87             | 49.86 | 49.85 | 49.83 | 49.88 | 49.86      | -0.14            | 0.02         | 0.47                        |
|         |               | 49.88             | 49.87 | 49.85 | 49.86 | 49.89 |            |                  |              |                             |
| 3       | 100.0         | 99.85             | 99.85 | 99.85 | 99.85 | 99.95 | 99.89      | -0.11            | 0.04         | 0.47                        |
|         |               | 99.89             | 99.95 | 99.90 | 99.87 | 99.90 |            |                  |              |                             |

**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,

*M. Adhiban*  
(Calibration Engineer)  
M.ADHIBAN



Authorised by:

*C. Sivabalan*  
(Quality Manager/Chief Executive)  
C.SIVABALAN

**SUNSHINE BIOMEDICAL SOLUTIONS**

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