



## CALIBRATION CERTIFICATE

Certificate No. SBS/CL/23/11985

Page No. 1 of 1

Customer Name & Address

GOVERNMENT PRIMARY HEALTH CENTRE,  
POOJAMBADI-621110.

|                          |                   |
|--------------------------|-------------------|
| SRF No                   | SRF/23/00452-0002 |
| SRF Date                 | 28-09-2023        |
| Date of Receipt          | 27-09-2023        |
| Date of Calibration      | 28-09-2023        |
| Due Date for Calibration | 27-09-2024        |
| Issue Date               | 29-09-2023        |

Details of Unit Under Calibration

|               |                |                     |                   |
|---------------|----------------|---------------------|-------------------|
| Description   | MICRO PIPETTE  | Make                | THERMO SCIENTIFIC |
| Range         | 100-1000µl     | Model               | FINNPIPETTE F3    |
| Resolution    | 1µl            | Material            | PVC               |
| Serial Number | RW02967        | Operating Range     | 100-1000µl        |
| ID Number     | NA             | Condition of UUC    | Good              |
| Cal. At       | Mechanical Lab | Instrument Location | LABORATORY        |

Environmental Condition

|                             |      |                        |      |
|-----------------------------|------|------------------------|------|
| Temperature (°C)            | 23.2 | Humidity (%RH)         | 53   |
| Atmospheric Pressure (mbar) | 1006 | Water Temperature (°C) | 21.6 |

Calibration Method Used

|                                   |                 |
|-----------------------------------|-----------------|
| National / International Standard | ISO 8655-6:2002 |
| 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         | TVCSP12/12/2115-01 | A&D & G11-252 | National Standards | 09-12-2023 |

Result of Calibration in µl

Z Factor: 1.00319

| Sl. No. | Nominal Value | Observed Readings |        |        |        |        | Mean Value | Systematic Error | Random Error | Measurement Uncertainty (±) |
|---------|---------------|-------------------|--------|--------|--------|--------|------------|------------------|--------------|-----------------------------|
|         |               | 1                 | 2      | 3      | 4      | 5      |            |                  |              |                             |
| 1       | 100           | 99.94             | 99.95  | 99.92  | 99.96  | 99.94  | 99.94      | -0.06            | 0.02         | 0.47                        |
|         |               | 99.91             | 99.92  | 99.94  | 99.95  | 99.96  |            |                  |              |                             |
| 2       | 500           | 499.85            | 499.87 | 499.88 | 499.87 | 499.89 | 499.88     | -0.12            | 0.01         | 0.47                        |
|         |               | 499.87            | 499.89 | 499.90 | 499.88 | 499.89 |            |                  |              |                             |
| 3       | 1000          | 999.74            | 999.76 | 999.78 | 999.77 | 999.75 | 999.77     | -0.23            | 0.02         | 0.47                        |
|         |               | 999.75            | 999.77 | 999.78 | 999.77 | 999.79 |            |                  |              |                             |

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,

*M. Mahajan*  
(Calibration Engineer)  
MADHIBAN

Authorised by:

*(Quality Manager) Chief Executive*  
C SIVABALAN

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