



CALIBRATION CERTIFICATE

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|--|--------------------------|-------------------|
| Certificate No: SBS/CL/23/13853 | | Page No: 1 of 1 |
| Customer Name & Address | | |
| GOVERNMENT PRIMARY HEALTH CENTRE, SIRUVACHUR-636112,SALEM DISTRICT. | SRF No. | SRF/23/00826-0007 |
| | SRF Date | 13-09-2023 |
| | Date of Receipt | 12-09-2023 |
| | Date of Calibration | 13-09-2023 |
| | Due Date for Calibration | 12-09-2024 |
| | Issue Date | 14-09-2023 |

| | | | |
|-----------------------------------|----------------|---------------------|-------------|
| Details of Unit Under Calibration | | | |
| Description | Micro Pipette | Make | HANDY PETTE |
| Range | 100µl FIXED | Model | NA |
| Resolution | | Material | PVC |
| Serial Number | NA | Operating Range | 100µl FIXED |
| 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 | | | | | | |
|---------------|-----------------------------|------------------|---------------------|--------------|--------------------|------------|
| SI. No. | Description | ID.No. / SI. No. | Certificate No. | Make/Model | Traceability | Valid till |
| 1 | Electronic Weighing Balance | 15112918 | TVCSPL22/12/2115-01 | 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 | 99.85 | 99.87 | 99.85 | 99.84 | 99.87 | 99.88 | -0.12 | 0.03 | 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,

(Calibration Engineer)
M.RAGUL

Authorised by:

(Quality Manager/Chief Executive)
C.SIVABALAN

SUNSHINE BIOMEDICAL SOLUTIONS

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