

CALIBRATION CERTIFICATE

CERTIFICATE NO : SBS/CL/23-24/04220

MEDICAL DEVICES Page No : 1

Customer's Name & Address

GOVERNMENT PRIMARY HEALTH CENTER
E KEERANUR 606106.

| | |
|-------------------------|-----------------------|
| SRF No | SRF/23-24/002113-0004 |
| SRF Date | 16.08.2023 |
| Date of Receipt | 16.08.2023 |
| Date of Calibration | 16.08.2023 |
| Due Date of Calibration | 15.08.2023 |
| Date of Issue | 17.08.2023 |

Details of Unit under Calibration

| | | | |
|---------------|---------------|---------------------|----------------|
| Description | MICRO PIPETTE | Make | MICRO LUX |
| Range | 0 - 50 µl | Model | |
| Resolution | 1 µl | Material | PVC |
| Serial Number | Pipette 01 | Operating Range | Z factor 1.000 |
| Cal. At | On Site | Condition of UUC | SATISFACTORY |
| | | Instrument Location | LABORTORY |

Environmental Condition

| | |
|------------------|-------|
| Temperature (°C) | 23±9C |
| Humidity (%RH) | 51% |
| Pressure (mbar) | 1006 |

Calibration Method Used

| | |
|--------------------------------------|-----------------|
| National / International Standard | ISO 8655-6:2002 |
| Cal. Procedure Number | SBS/CP/ML/08 |
| Estimated Uncertainty (K=2) @ 95.45% | 0.5 µl |

Standard Used

| Sl.No. | Description | Sl.No. | Certificate Number | Make /Model | Valid Till |
|--------|-------------------------------|----------|---------------------|--------------|------------|
| 1 | Electronic Semi Micro Balance | 15112918 | TVCSP/22/12/2115-01 | A&D & GH-252 | 09-12-2023 |

Results of Calibration in µl

| Sl. No. | Nominal Value | Observed Readings | | | | | Mean Value | Systematic Error | Random Error | Measurement Uncertainty(±) |
|---------|---------------|-------------------|-------|-------|-------|-------|------------|------------------|--------------|----------------------------|
| | | | | | | | | | | |
| 1 | 10 | 9.91 | 9.89 | 9.90 | 9.91 | 9.94 | 9.96 | -0.06 | 0.04 | 0.32 |
| | | 9.91 | 9.92 | 9.92 | 9.93 | 9.96 | | | | |
| 2 | 50 | 49.87 | 49.88 | 49.88 | 49.91 | 49.94 | 49.93 | -0.07 | 0.03 | 0.41 |
| | | 49.92 | 49.93 | 49.90 | 49.91 | 49.96 | | | | |

REMARKS

- This Calibration certificate shall not be reproduced except in full, without written approved 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.
- The indicated uncertainties are expanded uncertainty estimated for a confidence level of approximately 95% for a coverage factor k=2.00
- Equipment used for Calibration were calibrated & traceable to National & International Standards.
- Calibration Liquid Used: Distilled or Deionized water conforming Grade3 as specified in ISO 3696.

Calibrated by:

S. Shanmuga Raj
(Calibration Engineer)
S SHANMUGA RAJ



Quality Manager
(D. VETRI SELVI)

Authorized Signatory

Kennedy
(Chief Executive)

