

## CALIBRATION CERTIFICATE

Certificate No: SBS/CL/23/16953

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**Customer Name & Address**

GOVERNMENT PRIMARY HEALTH CENTRE,  
KULUMANI-639103,TRICHY DISTRICT.

SRF No.	SRF/23/01000-0003
SRF Date	30-10-2023
Date of Receipt	28-10-2023
Date of Calibration	30-10-2023
Due Date for Calibration	29-09-2024
Issue Date	31-10-2023

**Details of Unit Under Calibration**

Description	Micro Pipette	Make	THERMO SCIENTIFIC
Range	10-100µl	Model	FINNPIPETTE F3
Resolution	0.2µl	Material	PVC
Serial Number	NA	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)	23.9	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. / 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**

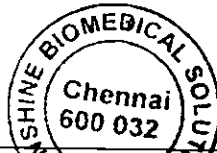
Sl. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)
1	10.0	9.85	9.87	9.86	9.84	9.85	9.86	-0.14	0.02	0.47
		9.86	9.84	9.89	9.87	9.86				
2	50.0	49.85	49.86	49.87	49.82	49.83	49.85	-0.15	0.02	0.47
		49.87	49.85	49.82	49.89	49.87				
3	100.0	99.94	99.97	99.96	99.95	99.86	99.93	-0.07	0.04	0.47
		99.93	99.95	99.88	99.94	99.89				

**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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