

## CALIBRATION CERTIFICATE

Certificate No: SBS/CL/23/12341

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Customer Name & Address

GOVERNMENT PRIMARY HEALTH CENTRE,  
PARANDUR-631552,KANCHIPURAM DISTRICT.

SRF No.	SRF/23/00461-0003
SRF Date	30-09-2023
Date of Receipt	29-09-2023
Date of Calibration	30-09-2023
Due Date for Calibration	29-09-2024
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	RW09284	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. / Sl. No.	Certificate No.	Make/Model	Traceability	Valid till
1	Electronic Weighing Balance	15112918	TVCSP/22/12/2115-01	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	9.96	9.97	9.95	9.98	9.96	-0.04	0.02	0.47
		9.93	9.95	9.98	9.96	9.97				
2	50.0	49.86	49.87	49.85	49.88	49.86	49.85	-0.15	0.02	0.47
		49.82	49.83	49.87	49.88	49.82				
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

- 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. Adhivan*  
(Calibration Engineer)  
MADHIVAN



Authorized by:

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

## SUNSHINE BIOMEDICAL SOLUTIONS

No:68, First Floor, Poomagal Main Road, Ekkattuthangal, Chennai - 600 032, Tel: 044 - 2225 2087,  
E-Mail: calibration@sunshinebiomedical.com, Website: www.sunshinebiomedical.com.