

CALIBRATION CERTIFICATE

Certificate No: SBS/CI/23/09696

Customer Name & Address

GOVERNMENT PRIMARY HEALTH CENTRE,
ALAMATHY-600052,TIRUVALLUR DISTRICT

SRF No.	SRF/23/00291-0018
SRF Date	02-08-2023
Date of Receipt	02-08-2023
Date of Calibration	02-08-2023
Due Date for Calibration	01-08-2024
Issue Date	03-08-2023

Details of Unit Under Calibration

Description	Micro Pipette	Make	THERMO SCIENTIFIC
Range	100-1000µl	Model	FINNPIPETTE F3
Resolution	1µl	Material	PVC
Serial Number	RW02981	Operating Range	100-1000µl
ID Number	NA	Condition of UUC	Good
Cal. At	Mechanical Lab	Instrument Location	LABORATORY

Environmental Condition

Calibration Method Used

Temperature (°C)	23.5	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	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 (u)
1	100	99.92	99.94	99.91	99.90	99.92	99.92	-0.08	0.01	0.47
		99.94	99.93	99.92	99.91	99.92				
2	500	499.04	498.99	499.05	499.02	499.04	499.01	-0.99	0.03	0.47
		498.96	498.99	499.02	499.03	498.99				
3	1000	998.99	998.89	998.90	998.91	998.91	998.93	-1.07	0.03	0.47
		998.96	998.95	998.92	998.94	998.93				

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 Grade3 as specified in ISO 3696.

Calibrated By: 
(Calibration Engineer)
M RAGUL



Authorized by: 
(Quality Manager/Chief Executive)
D VETRIVELI

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.