



CALIBRATION CERTIFICATE

Certificate No: SBS/CL/23/10243

Page No: 1 of 1

Customer Name & Address

GOVERNMENT PRIMARY HEALTH CENTRE, SORANCHERY-600072.	SRF No.	SRF/23/00312-0022
	SRF Date	12-08-2023
	Date of Receipt	12-08-2023
	Date of Calibration	12-08-2023
	Due Date for Calibration	11-08-2024
	Issue Date	14-08-2023

Details of Unit Under Calibration

Description	MICRO PIPETTE	Make	THERMO SCIENTIFIC
Range	10-100 µl	Model	FINNPIPETTE F3
Resolution	0.2 µl	Material	PVC
Serial Number	QW10105	Operating Range	10-100 µl
ID Number	NA	Condition of UUC	Good
Cal. At	Mechanical Lab	Instrument Location	LABORATORY

Environmental Condition				Calibration Method Used	
Temperature (°C)	23.6	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	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	9.91	9.92	9.93	9.94	9.92	9.93	-0.07	0.01	0.47
		9.94	9.95	9.93	9.95	9.95				
2	50.0	49.85	49.86	49.85	49.88	49.87	49.85	-0.15	0.02	0.47
		49.86	49.85	49.84	49.82	49.82				
3	100.0	99.95	99.96	99.95	99.96	99.90	99.95	-0.05	0.02	0.47
		99.93	99.94	99.95	99.96	99.97				

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)
 D.VETRI SELVI

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.