



CALIBRATION CERTIFICATE

Certificate No: SBS/CL/23/13898

Page. No : 1 of 1

Customer Name & Address

GOVERNMENT PRIMARY HEALTH CENTRE,
ODAIPATTI-625504, THENI DISTRICT.

SRF No.	SRF/23/00636-0004
SRF Date	09-10-2023
Date of Receipt	08-10-2023
Date of Calibration	09-10-2023
Due Date for Calibration	08-10-2024
Issue Date	09-10-2023

Details of Unit Under Calibration

Description	MICRO PIPETTE	Make	THERMO SCIENTIFIC
Range	10-100µl	Model	FINNPIPETTE F3
Resolution	0.2µl	Material	PVC
Serial Number	RW09302	Operating Range	100-1000µl
ID Number	NA	Condition of UUC	Good
Cal. At	Mechanical Lab	Instrument Location	LABORATORY

Environmental Condition

Temperature (°C)	23.6	Humidity (%RH)	55
Atmospheric Pressure (mbar)	1006	Water Temperature (°C)	21.6

Calibration Method Used

National / International Standard	ISO 8655-6:2002
Cal Procedure No	SBS/CP/ML/08

Standard Used

SI. No.	Description	ID.No. / SI. 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

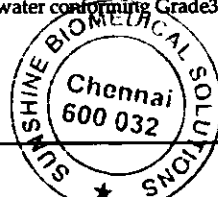
Sl. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)
1	10.0	9.96	9.95	9.98	9.96	9.97	9.97	-0.03	0.01	0.47
		9.98	9.96	9.97	9.98	9.95				
2	50.0	49.86	49.85	49.87	49.86	49.85	49.91	-0.09	0.05	0.47
		49.95	49.96	49.97	49.95	49.95				
3	100.0	99.98	99.97	99.98	99.96	99.98	99.96	-0.04	0.01	0.47
		99.95	99.96	99.94	99.95	99.96				

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,


 (Calibration Engineer)
 M.RAGUL



Authorised by:


 (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.



CALIBRATION CERTIFICATE

Certificate No: SBS/CL/23/13899

Page No : 1 of 1

Customer Name & Address

GOVERNMENT PRIMARY HEALTH CENTRE,
ODAIPATTI-625504, THENI DISTRICT.

SRF No.	SRF/23/00636-0005
SRF Date	09-10-2023
Date of Receipt	08-10-2023
Date of Calibration	09-10-2023
Due Date for Calibration	08-10-2024
Issue Date	09-10-2023

Details of Unit Under Calibration

Description	MICRO PIPETTE	Make	MICROLUX
Range	100-1000 μ l	Model	NA
Resolution	1 μ l	Material	PVC
Serial Number	NA	Operating Range	100-1000 μ l
ID Number	NA	Condition of UUC	Good
Cal. At	Mechanical Lab	Instrument Location	LABORATORY

Environmental Condition

Temperature ($^{\circ}$ C)	23.6	Humidity (%RH)	55
Atmospheric Pressure (mbar)	1006	Water Temperature ($^{\circ}$ C)	21.6

Calibration Method Used

National / International Standard	ISO 8655-6:2002
Cal Procedure No	SBS/CP/ML/08

Standard Used

SI. No.	Description	ID.No. / SI. 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 μ l

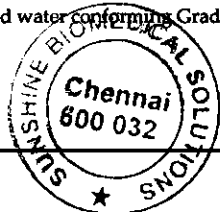
Sl. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (\pm)
1	100	99.95	99.89	99.87	99.86	99.85	99.87	-0.13	0.03	0.47
		99.86	99.87	99.86	99.87	99.85				
2	500	499.89	499.87	499.89	499.86	499.85	499.85	-0.15	0.04	0.47
		499.85	499.76	499.85	499.86	499.85				
3	1000	999.78	999.79	999.78	999.77	999.79	999.78	-0.22	0.01	0.47
		999.75	999.76	999.78	999.78	999.78				

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