

CALIBRATION CERTIFICATE

Certificate No: SBS/CL/23/12144

Page: No : 1 of 1

Customer Name & Address

GOVERNMENT PRIMARY HEALTH CENTRE, SEMMEDEU, COIMBATORE-641114.	SRF No.	SRF/23/00261-0012
	SRF Date	18-07-2023
	Date of Receipt	18-07-2023
	Date of Calibration	18-07-2023
	Due Date for Calibration	17-07-2024
	Issue Date	19-07-2023

Details of Unit Under Calibration

Description	Micro Pipette	Make	MICROLUX
Range	100-1000µl	Model	NA
Resolution	10µl	Material	PVC
Serial Number	NA	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)	23.9	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


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	100	99.85	99.85	99.85	99.85	99.95	99.88	-0.12	0.05	0.47
		99.90	99.95	99.90	99.80	99.90				
2	500	499.90	499.95	499.90	499.90	499.95	499.88	-0.12	0.05	0.47
		499.80	499.80	499.85	499.85	499.90				
3	1000	999.80	999.80	999.80	999.85	999.90	999.87	-0.13	0.05	0.47
		999.90	999.90	999.90	999.90	999.95				

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.

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GOVERNMENT PRIMARY HEALTH CENTRE, SEMMEDEU,COIMBATORE-641114.	SRF No.	SRF/23/00261-0013
	SRF Date	18-07-2023
	Date of Receipt	18-07-2023
	Date of Calibration	18-07-2023
	Due Date for Calibration	17-07-2024
	Issue Date	19-07-2023

Details of Unit Under Calibration

Description	Micro Pipette	Make	MICROLUX
Range	5-50µl	Model	NA
Resolution	1µl	Material	PVC
Serial Number	NA	Operating Range	10-50µl
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)	53	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	9.87	9.86	9.87	9.87	9.88	9.87	-0.13	0.01	0.47	
		9.88	9.86	9.87	9.88	9.89					
2	30	29.76	29.77	29.78	29.79	29.76	29.78	-0.22	0.01	0.47	
		29.77	29.78	29.79	29.78	29.78					
3	50	49.88	49.87	49.88	49.87	49.88	49.87	-0.13	0.01	0.47	
		49.87	49.86	49.86	49.87	49.88					

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