



CALIBRATION CERTIFICATE

Certificate No: SBS/CL/23/11776

Page No: 1 of 1

Customer Name & Address

GOVERNMENT PRIMARY HEALTH CENTRE,
NEIKUPPAL-621117.

SRF No.	SRF/23/00412-0002
SRF Date	26-09-2023
Date of Receipt	25-09-2023
Date of Calibration	26-09-2023
Due Date for Calibration	25-09-2024
Issue Date	27-09-2023

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)	23.2	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. / Sl. No.	Certificate No.	Make/Model	Traceability	Valid till
1	Electronic Weighing Balance	15112918	TVCSP122/12/2115-01	A&D & GH-252	National Standards	09-12-2023

Z Factor: 1.00319

Result of Calibration in µl

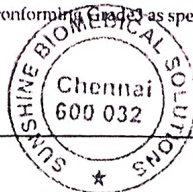
Sl. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)
1	100	99.94	99.92	99.93	99.92	99.93	99.92	-0.08	0.01	0.47
		99.91	99.90	99.92	99.91	99.92				
2	500	499.89	499.92	499.88	499.87	499.88	499.87	-0.13	0.02	0.47
		499.86	499.87	499.85	499.86	499.85				
3	1000	999.69	999.72	999.75	999.74	999.72	999.72	-0.28	0.02	0.47
		999.73	999.74	999.71	999.72	999.71				

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 to Grade 3 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.



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Page No: 1 of 1

Certificate No: SBS/CL/23/11775

Customer Name & Address

GOVERNMENT PRIMARY HEALTH CENTRE,
NEIKUPPAI-621117.

SRF No.	SRF/23/00412 0001
SRF Date	26-09-2023
Date of Receipt	25-09-2023
Date of Calibration	26-09-2023
Due Date for Calibration	25-09-2024
Issue Date	27-09-2023

Details of Unit Under Calibration		Make	MICROLUX
Description	MICRO PIPETTE	Model	NA
Range	10-100µl	Material	PVC
Resolution	1µl	Operating Range	10-100µl
Serial Number	NA	Condition of UUC	Good
ID Number	NA	Instrument Location	LABORATORY
Cal. At	Mechanical Lab		

Environmental Condition				Calibration Method Used	
Temperature (°C)	23.2	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

SI. No.	Description	ID.No. / SI. No.	Certificate No.	Make/Model	Traceability	Valid till
1	Electronic Weighing Balance	15112918	TVCSP122/12/2115-01	A&D & GH-252	National Standards	09-12-2023

Z Factor: 1.00319

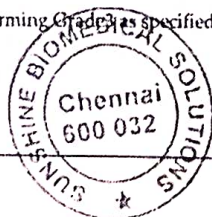
Result of Calibration in µl											
SI. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)	
1	10	9.94	9.93	9.94	9.92	9.94	9.93	-0.07	0.01	0.47	
		9.92	9.92	9.94	9.94	9.94					
2	50	49.87	49.88	49.87	49.88	49.87	49.87	-0.13	0.01	0.47	
		49.88	49.86	49.87	49.86	49.87					
3	100	99.86	99.87	99.88	99.87	99.88	99.87	-0.13	0.01	0.47	
		99.87	99.86	99.86	99.88	99.86					

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Calibrated By,

(Signature)
(Calibration Engineer)
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Authorised by:

(Signature)
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