



### CALIBRATION CERTIFICATE

Certificate No: SBS/CL/22-23/04879		Page No: 1 of 1	
URBAN PRIMARY HEALTH CENTRE, SAIDAPET, VELLORE-632012.		SRF No.	SBS/SRF/22-23/0098-022
		SRF Date	11-06-2022
		Date of Receipt	11-06-2022
		Date of Calibration	13-06-2022
		Due Date for Calibration	12-06-2023
		Issue Date	13-06-2022

Details of Unit Under Calibration			
Description	Micro Pipette	Make	MICROLUX
Range	5-50µl	Model	NA
Resolution	1 µl	Material	PVC
Serial Number	NA	Operating Range	5-50µl
ID Number		Condition of UUC	Good
Cal. At	Mechanical Lab	Instrument Location	LAB

Environmental Conditions				Calibration Method Used	
Temperature (°C)	33.5	Humidity (%RH)	55	National / International Standard	ISO 8655-6:2002
Atmospheric Pressure (mmHg)	1006	Water Temperature (°C)	21.6	Cal Procedure No	SBS/CP/ML/08

Sl. No.	Description	ID.No. / SI. No.	Certificate No.	Make/Model	Traceability	Valid till
1	Electronic Semi Micro Balance	15112918	TVCSP/L21/12/1587-01	A&D & GH-252	National Standards	10-12-2022

Z Factor: 1.00319

Sl. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)
1	10	9.81	9.82	9.83	9.82	9.79	9.81	-0.19	0.02	0.47
		9.78	9.80	9.82	9.82	9.82				
2	30	29.94	29.92	29.93	29.92	29.92	29.92	-0.08	0.01	0.47
		29.91	29.92	29.93	29.92	29.92				
3	50	49.95	49.94	49.96	49.95	49.94	49.95	-0.05	0.01	0.47
		49.94	49.94	49.96	49.95	49.94				

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.

Checked & Issued by:  
*(Signature)*  
(Calibration Engineer)  
R.YAZINIYAN



Authorised by:  
*(Signature)*  
(Quality Manager/Chief Executive)  
D.VETRI SELVI



## CALIBRATION CERTIFICATE

Certificate No: SBS/CL/22-23/04878

Page No: 1 of 1

**Customer Name & Address**

URBAN PRIMARY HEALTH CENTRE,  
SAIDAPET, VELLORE-632012.

SRF No.	SBS/SRF/22-23/0098-021
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Due Date for Calibration	12-06-2023
Issue Date	13-06-2022

**Details of Unit Under Calibration**

Description	Micro Pipette	Make	MICROLUX
Range	100-1000µl	Model	NA
Resolution	10 µl	Material	PVC
Serial Number	NA	Operating Range	100-1000µl
ID Number		Condition of UUC	Good
Cal. At	Mechanical Lab	Instrument Location	LAB

**Environmental Condition**

Temperature (°C)	23.9	Humidity (%RH)	55	<b>Calibration Method Used</b>	National / International Standard	ISO 8655-6:2002
Atmospheric Pressure (mbar)	1006	Water Temperature (°C)	21.6			
Standard Used				Cal Procedure No	SBS/CP/ML/08	

Sl. No.	Description	ID.No. / Sl. No.	Certificate No.	Make/Model	Traceability	Valid till
1	Electronic Semi Micro Balance	15112918	TVCSP121/12/1587-01	A&D & GH-252	National Standards	10-12-2022

**Result of Calibration in µl**

Z Factor: 1.00319

Sl. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)
1	100	99.85	99.85	99.85	99.85	99.92	99.88	-0.12	0.03	0.47
		99.89	99.89	99.89	99.89	99.90				
2	500	499.89	499.88	499.92	499.92	499.92	499.88	-0.12	0.03	0.47
		499.87	499.86	499.85	499.86	499.87				
3	1000	999.80	999.86	999.80	999.85	999.79	999.86	-0.14	0.05	0.47
		999.90	999.90	999.90	999.90	999.89				

**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.

Checked & Issued by:

(Calibration Engineer)  
RYAZINIYAN



Authorised by:

(Quality Manager/Chief Executive)  
D.VETRI SELVI

**SUNSHINE BIOMEDICAL SOLUTIONS**

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