

**CALIBRATION CERTIFICATE**

Certificate No: SBS/CL/23/03139		Page No: 1 of 1
Customer Name & Address		
GOVERNMENT PRIMARY HEALTH CENTRE, THONDI-623409,RAMANATHAPURAM DISTRICT.	SRF No.	SRF/23/00106-0001
	SRF Date	18-03-2023
	Date of Receipt	18-03-2023
	Date of Calibration	18-03-2023
	Due Date for Calibration	17-03-2024
	Issue Date	18-03-2023

Details of Unit Under Calibration			
Description	Micro Pipette	Make	MICROLUX
Range	100-1000µl	Model	
Resolution	10µl	Material	PVC
Serial Number		Operating Range	
ID Number		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						
Sl. No.	Description	ID.No. / SI. No.	Certificate No.	Make/Model	Traceability	Valid till
1	Electronic Semi Micro 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**

- 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 containing Grade3 as specified in ISO 3696.

Calibrated By,  
*R.Yaziniyan*  
(Calibration Engineer)  
R.YAZINIYAN



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

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Certificate No: SBS/CL/23/03141

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**Customer Name & Address**

GOVERNMENT PRIMARY HEALTH CENTRE,  
THONDI-623409, RAMANATHAPURAM DISTRICT.

SRF No.	SRF/23/00106-0003
SRF Date	18-03-2023
Date of Receipt	18-03-2023
Date of Calibration	18-03-2023
Due Date for Calibration	17-03-2024
Issue Date	18-03-2023

**Details of Unit Under Calibration**

Description	Micro Pipette	Make	THERMO SCIENTIFIC
Range	10-100µl	Model	FINNPIPETTE F3
Resolution	0.5µl	Material	PVC
Serial Number	RW10709	Operating Range	
ID Number		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 Semi Micro Balance	15112918	TVCSP22/12/2115-01	A&D & GH-252	National Standards	09-12-2023

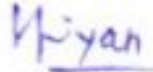
Z Factor: 1.00319

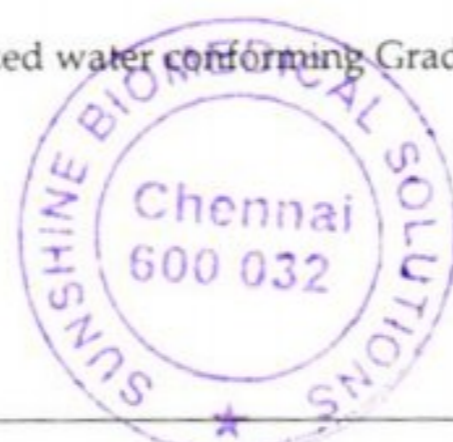
**Result of Calibration in µl**

Sl. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)
1	10.0	9.64	9.65	9.66	9.67	9.68	9.64	-0.36	0.02	0.47
		9.63	9.62	9.62	9.64	9.62				
2	50.0	49.64	49.68	49.66	49.67	49.65	49.64	-0.36	0.02	0.47
		49.62	49.63	49.64	49.62	49.62				
3	100.0	98.65	98.62	98.63	98.64	98.63	98.64	-1.36	0.01	0.47
		98.66	98.64	98.65	98.62	98.64				

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Calibrated By,  
  
(Calibration Engineer)  
R.YAZINIYAN



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

## SUNSHINE BIOMEDICAL SOLUTIONS

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