



CALIBRATION CERTIFICATE

Certificate No: SBS/CL/23/13086		Page No: 1 of 1
Customer Name & Address		
GOVERNMENT UPGRADED PRIMARY HEALTH CENTRE, VALATHI-604208,VILLUPURAM DISTRICT.	SRF No.	SRF/23/00565-0008
	SRF Date	05-10-2023
	Date of Receipt	05-10-2023
	Date of Calibration	05-10-2023
	Due Date for Calibration	04-10-2024
	Issue Date	06-10-2023

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)	23.8	Humidity (%RH)	57	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	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	9.85	9.87	9.84	9.86	9.83	9.86	-0.15	0.02	0.47
		9.89	9.88	9.82	9.84	9.87				
2	30	29.94	29.97	29.97	29.96	29.93	29.96	-0.04	0.02	0.47
		29.98	29.95	29.94	29.97	29.96				
3	50	49.85	49.86	49.87	49.88	49.84	49.86	-0.14	0.02	0.47
		49.86	49.85	49.82	49.89	49.87				

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)
 MRAGUL



Authorised by:

 Quality Manager/Chief Executive)
 CSIVABALAN

SUNSHINE BIOMEDICAL SOLUTIONS

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