



CALIBRATION CERTIFICATE

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Certificate No: SBS/CL/23/13114

Customer Name & Address

GOVERNMENT UPGRADED PRIMARY HEALTH CENTRE,
PAVUNJUR-603312, CHENGALPATTU DISTRICT.

SRF No.	SRF/23/00660-0006
SRF Date	06-10-2023
Date of Receipt	05-10-2023
Date of Calibration	06-10-2023
Due Date for Calibration	05-10-2024
Issue Date	07-10-2023

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)	23.9	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 Weighing Balance	15112918	TVCSPL22/12/2115-01	A&D & GH-252	National Standards	09-12-2023

Z Factor: 1.00319

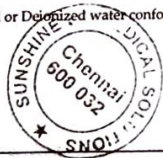
Result of Calibration in µl											
Sl. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)	
1	10	9.96	9.97	9.96	9.97	9.98	9.95	-0.05	0.02	0.47	
		9.95	9.94	9.92	9.93	9.92					
2	30	29.85	29.86	29.87	29.85	29.84	29.84	-0.16	0.02	0.47	
		29.82	29.83	29.82	29.81	29.82					
3	50	49.99	49.98	49.97	49.98	49.98	49.86	-0.14	0.32	0.47	
		49.92	49.91	49.93	49.94	48.96					

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.

Calibrated By,

M. Ragul
(Calibration Engineer)
M.RAGUL



Authorised by:

C. Sivabalan
(Quality Manager/Chief Executive)
C.SIVABALAN

SUNSHINE BIOMEDICAL SOLUTIONS

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