



CALIBRATION CERTIFICATE

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Customer Name & Address		2	
GOVERNMENT PRIMARY HEALTH CENTRE, KODIKKARAI-614807,NAGAPATTINAM DISTRICT.		SRF No.	12
		SRF Date	
		Date of Receipt	06-09-2023
		Date of Calibration	06-09-2023
		Due Date for Calibration	05-09-2024
		Issue Date	07-09-2023

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)	23.6	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. / 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	100	99.95	99.89	99.87	99.86	99.85	99.87	-0.13	0.03	0.47	
		99.86	99.87	99.86	99.87	99.85					
2	500	4999.89	4999.87	4999.89	499.86	499.85	1849.85	1349.85	2173.73	0.47	
		499.85	499.76	499.85	499.86	499.85					
3	1000	999.78	999.79	999.78	999.77	999.79	999.78	-0.22	0.01	0.47	
		999.75	999.76	999.78	999.78	999.78					

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, Authorized by:


 (Calibration Engineer)
 MRAGUL


 (Quality Manager/Chief Executive)
 C.SIVABALAN

SUNSHINE BIOMEDICAL SOLUTIONS

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