

CALIBRATION CERTIFICATE

Certificate No: SBS/CL/23/13083		Page No: 1 of 1	
Customer Name & Address			
GOVERNMENT UPGRADED PRIMARY HEALTH CENTRE, VALATHI-604208,VILLUPURAM DISTRICT.		SRF No.	SRF/23/00565-0005
		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	THERMO SCIENTIFIC
Range	5-50µl	Model	FINNPIPETTE F3
Resolution	0.1µl	Material	PVC
Serial Number	PW01911	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)	23.7	Humidity (%RH)	56	National / International Standard	ISO 8655-6:2002
Atmospheric Pressure (mbar)	1006	Water Temperature (°C)	21.6	Cal Procedure No	SBS/CT/ML/08

Standard Used						
Sl. No.	Description	ID.No. / SL No.	Certificate No.	Make/Model	Traceability	Valid till
1	Electronic Weighing Balance	13112918	TVCSP12/12/2115-01	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	9.94	9.97	9.95	9.96	9.93	9.95	-0.05	0.02	0.47	
		9.98	9.95	9.92	9.97	9.96					
2	30.0	29.94	29.97	29.95	29.96	29.93	29.96	-0.05	0.02	0.47	
		29.98	29.95	29.94	29.97	29.96					
3	50.0	49.85	49.86	49.87	49.82	49.83	49.85	-0.15	0.02	0.47	
		49.87	49.85	49.82	49.89	49.87					

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 to ISO 3696.

Calibrated By:


(Calibration Engineer)
MRAGUL



Authorised by:


(Quality Manager/Chief Executive)
CSIVABALAN

SUNSHINE BIOMEDICAL SOLUTIONS

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