

CALIBRATION CERTIFICATE

Certificate No: SBS/CL/23/11811		Page No: 1 of 1	
Customer Name & Address			
GOVERNMENT UPGRADED PRIMARY HEALTH CENTRE, PANAPAKKAM-631052.		SRF No.	SRF/23/00424-0002
		SRF Date	27-09-2023
		Date of Receipt	25-09-2023
		Date of Calibration	27-09-2023
		Due Date for Calibration	26-09-2024
		Issue Date	28-09-2023

Details of Unit Under Calibration			
Description	Micro Pipette	Make	THERMO SCIENTIFIC
Range	10-100µl	Model	FINNPIPETTE F3
Resolution	0.2µl	Material	PVC
Serial Number	RW09365	Operating Range	10-100µl
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)	56	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 Weighing 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	9.89	9.87	9.86	9.88	9.87	9.92	-0.08	0.05	0.47	
		9.94	9.98	9.97	9.96	9.93					
2	50.0	49.86	49.87	49.85	49.88	49.89	49.86	-0.14	0.02	0.47	
		49.83	49.85	49.87	49.85	49.86					
3	100.0	99.88	99.87	99.89	99.89	99.86	99.89	-0.11	0.02	0.47	
		99.89	99.95	99.90	99.87	99.90					

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. Adhiban
(Calibration Engineer)
M.ADHIBAN



Authorised by:

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

SUNSHINE BIOMEDICAL SOLUTIONS

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