



### CALIBRATION CERTIFICATE

Certificate No: SBS/CI/23/13147		Page No. 1 of 1
Customer Name & Address		
GOVERNMENT PRIMARY HEALTH CENTRE, PERIYAPATTINAM-623523, RAMANATHAPURAM DISTRICT.	SRF No.	SRF/23/00092-0004
	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	10-100µl	Model	FBNPIPETTE P3
Resolution	0.2µl	Material	PVC
Serial Number	PW14217	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)	23.9	Humidity (%RH)	55	National / International Standard	ISO 8655-4:2002
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

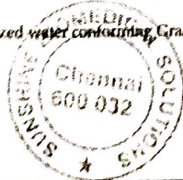
**Z Factor: 1.00319**

Result of Calibration in µl										
SL No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)
1	10.0	9.47	9.46	9.48	9.47	9.46	9.45	-0.55	0.02	0.47
		9.42	9.43	9.43	9.44	9.45				
2	50.0	49.57	49.56	49.58	49.56	49.56	49.56	-0.44	0.01	0.47
		49.54	49.56	49.57	49.56	49.54				
3	100.0	98.92	98.94	98.93	98.94	98.93	98.91	-1.09	0.02	0.47
		98.91	98.92	98.89	98.88	98.88				

**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)  
 C.SIVABALAN

## SUNSHINE BIOMEDICAL SOLUTIONS

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