

**CALIBRATION CERTIFICATE**

Certificate No: SBS/CL/23/13484

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**Customer Name & Address**

GOVERNMENT PRIMARY HEALTH CENTRE, SIRUKUNDRUM-603108,CHENGALPATTU DISTRICT.	SRF No.	SRF/23/00760-0002
	SRF Date	06-10-2023
	Date of Receipt	06-10-2023
	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	THERMO SCIENTIFIC
Range	100-1000µl	Model	FINNPIPETTE F3
Resolution	1µl	Material	PVC
Serial Number	QW10265	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)	54	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	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	100	100.10	100.12	100.14	100.16	100.14	100.14	0.14	0.02	0.47	
		100.14	100.14	100.16	100.14	100.12					
2	500	500.31	500.32	500.34	500.36	500.34	500.34	0.34	0.02	0.47	
		500.32	500.34	500.36	500.34	500.34					
3	1000	1001.20	1001.22	1001.23	1001.24	1001.25	1001.25	1.25	0.03	0.47	
		1001.26	1001.25	1001.27	1001.28	1001.29					

**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)  
MADHIBAN



Authorised by:

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

**SUNSHINE BIOMEDICAL SOLUTIONS**

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