



CALIBRATION CERTIFICATE

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Certificate No: SBS/CL/23/12849

Customer Name & Address

GOVERNMENT PRIMARY HEALTH CENTRE (MUGAIYUR BLOCK),
KANDACHIPURAM 605701 VILLUPURAM DISTRICT.

SRF No.	SRF/23/00623-0001
SRF Date	04-10-2023
Date of Receipt	03-10-2023
Date of Calibration	04-10-2023
Due Date for Calibration	03-10-2024
Issue Date	05-10-2023

Details of Unit Under Calibration

Description	MICRO PIPETTE	Make	THERMO SCIENTIFIC
Range	10-100µl	Model	FINNPIPETTE F3
Resolution	0.2µl	Material	PVC
Serial Number	RW0962	Operating Range	10-100µl
ID Number	NA	Condition of LUC	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/MI/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 & C11 252	National Standards	09-12-2023

Z Factor: 1.00319

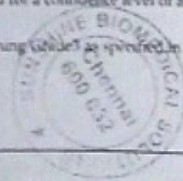
Result of Calibration in µl											
Sl. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (s)	
1	10.0	9.96	9.95	9.96	9.96	9.97	9.97	-0.03	0.01	0.47	
		9.98	9.96	9.97	9.98	9.95					
2	50.0	49.86	49.85	49.87	49.86	49.85	49.91	-0.09	0.05	0.47	
		49.95	49.96	49.97	49.95	49.95					
3	100.0	99.96	99.97	99.98	99.96	99.98	99.96	-0.04	0.01	0.47	
		99.95	99.96	99.94	99.95	99.96					

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 the requirements as specified in ISO 3696.

Calibrated By,

M. Prabhakaran
(Calibration Engineer)
MADHURAN



Authorised by:

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

SUNSHINE BIOMEDICAL SOLUTIONS

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M. Suba
MEDICAL OFFICER
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