

CALIBRATION CERTIFICATE

Certificate No: SBS/CL/23/13138

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Customer Name & Address

GOVERNMENT PRIMARY HEALTH CENTRE (THELLAR BLOCK),
KUNNAGAMPOONDI-604501, TIRUVANNAMALAI DISTRICT.

SRF No.	SRF/23/00680-0002
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	FINNPIPETTE F3
Resolution	0.2µl	Material	PVC
Serial Number	RW10083	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 8655-6:2002
Atmospheric Pressure (mbar)	1006	Water Temperature (°C)	21.6	Cal Procedure No	SBS/CP/ML/08

Standard Used

Sl. No.	Description	ID.No. / SI. No.	Certificate No.	Make/Model	Traceability	Valid till
1	Electronic Weighing Balance	15112918	TVCSP/22/12/2115-01	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	9.96	9.97	9.96	9.97	9.98	9.95	-0.05	0.02	0.47
		9.95	9.94	9.92	9.93	9.92				
2	50.0	49.99	49.98	49.97	49.98	49.98	49.86	-0.14	0.32	0.47
		49.92	49.91	49.93	49.94	48.96				
3	100.0	99.95	99.97	99.96	99.95	99.97	99.95	-0.05	0.02	0.47
		99.91	99.92	99.93	99.94	99.95				

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,


(Calibration Engineer)
M.RAGUL



Authorised by:


Quality Manager/Chief Executive
C.SIVABALAN

SUNSHINE BIOMEDICAL SOLUTIONS

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