

CALIBRATION CERTIFICATE

Certificate No: SBS/CL/23/12506

Page No: 1 of 1

Customer Name & Address

GOVERNMENT PRIMARY HEALTH CENTRE, NATHAM-623601.	SRF No.	SRF/23/00469-0004
	SRF Date	30-09-2023
	Date of Receipt	29-0-2023
	Date of Calibration	30-09-2023
	Due Date for Calibration	29-09-2024
	Issue Date	30-09-2023

Details of Unit Under Calibration

Description	MICRO PIPETTE	Make	THERMO FISHER
Range	10-100µl	Model	FINNPIPETTE F3
Resolution	0.2µl	Material	PVC
Serial Number	RW10378	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	TVCSP122/12/2115-01	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	2	3	4	5				
1	10.0	9.85	9.86	9.87	9.90	9.85	9.86	-0.14	0.02	0.47
		9.86	9.87	9.85	9.84	9.86				
2	50.0	49.88	49.89	49.87	49.86	49.87	49.87	-0.13	0.01	0.47
		49.89	49.87	49.88	49.87	49.85				
3	100.0	99.83	99.82	99.83	99.84	99.86	99.85	-0.15	0.02	0.47
		99.86	99.87	99.85	99.86	99.87				

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,

M. Adhiban
(Calibration Engineer)
MADHIBAN



Authorised by:

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

SUNSHINE BIOMEDICAL SOLUTIONS

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