



CALIBRATION CERTIFICATE

Certificate No: SBS/CL/23/12819

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Customer Name & Address

GOVERNMENT UPGRADED PRIMARY HEALTH CENTRE(KANAI BLOCK), KANAI-605301,VILLUPURAM DISTRICT.	SRF No.	SRF/23/00609-0004
	SRF Date	04-10-2023
	Date of Receipt	04-10-2023
	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	RW09166	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)	23.2	Humidity (%RH)	53	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	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	9.87	9.86	9.88	9.88	9.88	9.87	-0.13	0.01	0.47
		9.88	9.88	9.87	9.86	9.87				
2	50	49.74	49.76	49.78	49.74	49.76	49.76	-0.24	0.02	0.47
		49.78	49.74	49.78	49.78	49.78				
3	100	99.84	99.86	99.87	99.87	99.88	99.87	-0.13	0.01	0.47
		99.87	99.88	99.86	99.87	99.88				

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)
 M.ADHIBAN



Authorised by:

(Quality Manager/Chief Executive)
 C.SIVABALAN

SUNSHINE BIOMEDICAL SOLUTIONS

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