



CALIBRATION CERTIFICATE

Certificate No: SBS/CL/23/12857

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Customer Name & Address

GOVERNMENT PRIMARY HEALTH CENTRE(KANDAMANADY BLOCK), AARASAMANGALAM-605105,VILLUPURAM DISTRICT.	SRF No.	SRF/23/00625-0001
	SRF Date	04-10-2023
	Date of Receipt	03-10-2023
	Date of Calibration	04-10-2023
	Due Date for Calibration	04-10-2024
	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	RW09154	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)	23.6	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

SI. No.	Description	ID.No. / SI. 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

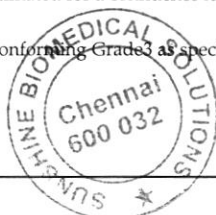
Result of Calibration in µl											
Sl. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)	
1	10.0	9.96	9.95	9.98	9.96	9.97	9.97	-0.03	0.01	0.47	
		9.98	9.96	9.97	9.98	9.95					
2	50.0	49.86	49.85	49.87	49.86	49.85	49.91	-0.09	0.05	0.47	
	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

- 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 Grade 3 as specified in ISO 3696.

Calibrated By,


 (Calibration Engineer)
 M.ADHIBAN



Authorised by:


 Quality Manager/Chief Executive
 C.SIVABALAN

SUNSHINE BIOMEDICAL SOLUTIONS

No:68, First Floor, Poomagal Main Road, Ekkattuthangal, Chennai - 600 032, Tel: 044 - 2225 2087,
 E-Mail: calibration@sunshinebiomedical.com, Website: www.sunshinebiomedical.com.



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Certificate No: SBS/CL/23/12858

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GOVERNMENT PRIMARY HEALTH CENTRE(KANDAMANADY BLOCK), AARASAMANGALAM-605105,VILLUPURAM DISTRICT.	SRF No.	SRF/23/00625-0002
	SRF Date	04-10-2023
	Date of Receipt	03-10-2023
	Date of Calibration	04-10-2023
	Due Date for Calibration	04-10-2024
	Issue Date	05-10-2023

Details of Unit Under Calibration

Description	MICRO PIPETTE	Make	THERMO SCIENTIFIC
Range	100-1000µl	Model	FINNPIPETTE F3
Resolution	1µl	Material	PVC
Serial Number	RW02431	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)	23.5	Humidity (%RH)	52	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

SI. No.	Description	ID.No. / SI. 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

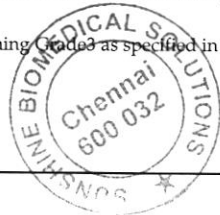
Result of Calibration in µl											
SI. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)	
1	100	99.94	99.96	99.94	99.92	99.93	99.95	-0.05	0.02	0.47	
		99.94	99.95	99.96	99.97	99.98					
2	500	499.85	499.86	499.87	499.89	499.86	499.87	-0.13	0.02	0.47	
		499.86	499.87	499.89	499.85	499.89					
3	1000	999.96	999.97	999.98	999.96	999.95	999.96	-0.04	0.01	0.47	
		999.98	999.94	999.96	999.95	999.95					

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