



CALIBRATION CERTIFICATE

Certificate No: SBS/CL/23/11783

Page. No : 1 of 1

Customer Name & Address

GOVERNMENT PRIMARY HEALTH CENTRE, ARUMBAVUR-621103.	SRF No. SRF Date Date of Receipt Date of Calibration Due Date for Calibration Issue Date	SRF/23/00416-0001 26-09-2023 25-09-2023 26-09-2023 25-09-2024 27-09-2023
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Details of Unit Under Calibration

Description	MICRO PIPETTE	Make	THERMO SCIENTIFIC
Range	10-100µl	Model	FINNPIPETTE F3
Resolution	0.2µl	Material	PVC
Serial Number	RW01484	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

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	9.87	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	50.0	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	100.0	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 to Grade 3 as specified in ISO 3696.

Calibrated By,

M. Adhiban
(Calibration Engineer)
M.ADHIBAN



Authorised by:

C. Sivabalan
(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.



CALIBRATION CERTIFICATE

Certificate No: SBS/CL/23/11784

Page. No : 1 of 1

Customer Name & Address

GOVERNMENT PRIMARY HEALTH CENTRE, ARUMBAVUR-621103.	SRF No.	SRF/23/00416-0002
	SRF Date	26-09-2023
	Date of Receipt	25-09-2023
	Date of Calibration	26-09-2023
	Due Date for Calibration	25-09-2024
	Issue Date	27-09-2023

Details of Unit Under Calibration

Description	MICRO PIPETTE	Make	THERMO SCIENTIFIC
Range	100-1000µl	Model	FINNPIPETTE F3
Resolution	1µl	Material	PVC
Serial Number	RW03030	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)	23.8	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

SI. No.	Description	ID.No. / SI. No.	Certificate No.	Make/Model	Traceability	Valid till
1	Electronic Weighing Balance	15112918	TVCSP/L22/12/2115-01	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	100	99.92	99.94	99.95	99.94	99.93	99.95	-0.05	0.02	0.47
		99.94	99.96	99.94	99.97	99.98				
2	500	499.84	499.86	499.88	499.86	499.87	499.87	-0.13	0.02	0.47
		499.86	499.87	499.88	499.89	499.89				
3	1000	999.72	999.74	999.76	999.75	999.74	999.76	-0.24	0.02	0.47
		999.76	999.78	999.77	999.76	999.79				

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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

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