



## CALIBRATION CERTIFICATE

Certificate No: SBS/CL/23/11974

Page. No : 1 of 1

Customer Name & Address

GOVERNMENT PRIMARY HEALTH CENTRE, ADHANUR-621708,PERAMBALUR DISTRICT.	SRF No.	SRF/23/00449-0001
	SRF Date	28-09-2023
	Date of Receipt	26-09-2023
	Date of Calibration	28-09-2023
	Due Date for Calibration	27-09-2024
	Issue Date	29-09-2023

Details of Unit Under Calibration

Description	MICRO PIPETTE	Make	MICROLUX
Range	5-50µl	Model	NA
Resolution	1µl	Material	PVC
Serial Number	NA	Operating Range	5-50µl
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	TVCSP22/12/2115-01	A&D & GH-252	National Standards	09-12-2023

**Z Factor: 1.00319**

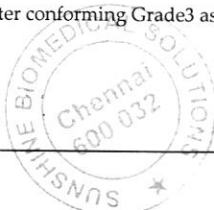
Result of Calibration in µl										
Sl. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)
1	10	9.89	9.88	9.87	9.88	9.88	9.88	-0.12	0.01	0.47
		9.88	9.86	9.87	9.88	9.89				
2	30	29.76	29.77	29.78	29.79	29.76	29.78	-0.22	0.01	0.47
		29.77	29.78	29.79	29.78	29.78				
3	50	49.88	49.87	49.88	49.87	49.88	49.87	-0.13	0.01	0.47
		49.87	49.86	49.86	49.87	49.88				

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)  
 C.SIVABALAN



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.



## CALIBRATION CERTIFICATE

Certificate No: SBS/CL/23/11975

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**Customer Name & Address**

GOVERNMENT PRIMARY HEALTH CENTRE, ADHANUR-621708,PERAMBALUR DISTRICT.	SRF No.	SRF/23/00449-0002
	SRF Date	28-09-2023
	Date of Receipt	26-09-2023
	Date of Calibration	28-09-2023
	Due Date for Calibration	27-09-2024
	Issue Date	29-09-2023

**Details of Unit Under Calibration**

Description	MICRO PIPETTE	Make	THERMO SCIENTIFIC
Range	100-1000µl	Model	FINNPIPETTE F3
Resolution	1µl	Material	PVC
Serial Number	NA	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	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	100	99.93	99.94	99.92	99.95	99.96	99.94	-0.06	0.02	0.47	
		99.95	99.93	99.96	99.97	99.93					
2	500	499.92	499.95	499.96	499.94	499.96	499.96	-0.04	0.02	0.47	
		499.95	499.97	499.98	499.99	499.96					
3	1000	999.95	999.96	999.97	999.98	999.96	999.92	-0.08	0.09	0.47	
		999.95	999.98	999.96	999.74	999.75					

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 (Calibration Engineer)  
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