



## CALIBRATION CERTIFICATE

Certificate No: SBS/CL/23/12855

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**Customer Name & Address**

GOVERNMENT PRIMARY HEALTH CENTRE(KANDAMANADY BLOCK), KOLIYANUR-605103,VILLUPURAM DISTRICT.	SRF No.	SRF/23/00624-0001
	SRF Date	04-09-2023
	Date of Receipt	04-09-2023
	Date of Calibration	04-09-2023
	Due Date for Calibration	03-09-2024
	Issue Date	05-09-2023

**Details of Unit Under Calibration**

Description	MICRO PIPETTE	Make	THERMO SCIENTIFIC
Range	100-1000µl	Model	FINNPIPETTE F3
Resolution	1µl	Material	PVC
Serial Number	RW03174	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)	23.6	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	TVCSP/22/12/2115-01	A&D & GH-252	National Standards	09-12-2023

**Z Factor: 1.00319**

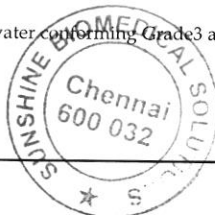
Result of Calibration in µl											
Sl. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)	
1	100	99.95	99.89	99.87	99.86	99.85	99.87	-0.13	0.03	0.47	
		99.86	99.87	99.86	99.87	99.85					
2	500	499.97	499.98	499.95	499.96	499.95	499.95	-0.05	0.02	0.47	
		499.92	499.94	499.93	499.94	499.95					
3	1000	999.95	999.97	999.95	999.96	999.97	999.96	-0.04	0.01	0.47	
		999.95	999.97	999.96	999.97	999.98					

**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.RAGUL



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/23/12856

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**Customer Name & Address**

GOVERNMENT PRIMARY HEALTH CENTRE(KANDAMANADY BLOCK),  
KOLIYANUR-605103,VILLUPURAM DISTRICT.

SRF No.	SRF/23/00624-0002
SRF Date	04-09-2023
Date of Receipt	04-09-2023
Date of Calibration	04-09-2023
Due Date for Calibration	03-09-2024
Issue Date	05-09-2023

**Details of Unit Under Calibration**

Description	MICRO PIPETTE	Make	PFACT
Range	5-50µl	Model	NA
Resolution	0.5µl	Material	PVC
Serial Number	220221	Operating Range	10-50µl
ID Number	NA	Condition of UUC	Good
Cal. At	Mechanical Lab	Instrument Location	LABORATORY

**Environmental Condition**

Temperature (°C)	23.7	Humidity (%RH)	54
Atmospheric Pressure (mbar)	1006	Water Temperature (°C)	21.6

**Calibration Method Used**

National / International Standard	ISO 8655-6:2002
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	10.0	9.91	9.93	9.92	9.94	9.96	9.94	-0.06	0.02	0.47
		9.94	9.95	9.93	9.95	9.95				
2	30.0	29.96	29.97	29.98	29.99	29.95	29.95	-0.05	0.03	0.47
		29.90	29.91	29.93	29.94	29.95				
3	50.0	49.85	49.84	49.83	49.85	49.86	49.86	-0.14	0.02	0.47
		49.86	49.87	49.88	49.89	49.90				

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- The results stated in this certificate relate only to the item calibrated.
- Equipment used for Calibration were calibrated & traceable to National & International Standards
- The indicated uncertainties are expanded uncertainty estimated for a confidence level of approximately 95% for a coverage factor k=2.00.
- Calibration Liquid Used: Distilled or Deionized water conforming Grade as specified in ISO 3696.

Calibrated By,

  
 (Calibration Engineer)  
 M.RAGUL



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 (Quality Manager/Chief Executive)  
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