



## CALIBRATION CERTIFICATE

Certificate No: SBS/CL/23/10542

Page. No : 1 of 1

**Customer Name & Address**

GOVERNMENT COMMUNITY HEALTH CENTRE,  
PUDUPETTAI- 635651, TIRUPATTUR DISTRICT.

SRF No.	SRF/23/00320-0004
SRF Date	24-08-2023
Date of Receipt	24-08-2023
Date of Calibration	24-08-2023
Due Date for Calibration	23-08-2024
Issue Date	25-08-2023

**Details of Unit Under Calibration**

Description	MICRO PIPETTE	Make	THERMO SCIENTIFIC
Range	10-100 µl	Model	FINNPIPETTE F3
Resolution	0.2 µl	Material	PVC
Serial Number	RW09755	Operating Range	10-100 µl
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	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	9.91	9.92	9.93	9.94	9.92	9.93	-0.07	0.01	0.47
		9.94	9.95	9.93	9.95	9.95				
2	50.0	49.85	49.86	49.85	49.88	49.87	49.85	-0.15	0.02	0.47
		49.86	49.85	49.84	49.82	49.82				
3	100.0	99.95	99.96	99.95	99.96	99.90	99.95	-0.05	0.02	0.47
		99.93	99.94	99.95	99.96	99.97				

**Remarks**

- This Calibration certificate shall not be reproduced except in full, without written approval of the laboratory.
- The user should determine the suitability of the instrument for its intended use.
- The recalibration interval should be determined on the user requirement.
- 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 Grade3 as specified in ISO 3696.

Calibrated By,

*M.Ragul*  
(Calibration Engineer)  
M.RAGUL



Authorised by:

*D.Vetri Selvi*  
(Quality Manager/Chief Executive)  
D.VETRI SELVI

**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

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Certificate No: SBS/CL/23/10543

**Customer Name & Address**

GOVERNMENT COMMUNITY HEALTH CENTRE, PUDUPETTAI- 635651, TIRUPATTUR DISTRICT.	SRF No.	SRF/23/00320-0005
	SRF Date	24-08-2023
	Date of Receipt	24-08-2023
	Date of Calibration	24-08-2023
	Due Date for Calibration	23-08-2024
	Issue Date	25-08-2023

**Details of Unit Under Calibration**

Description	MICRO PIPETTE	Make	THERMO SCIENTIFIC
Range	100-1000 µl	Model	FINNPIPETTE F3
Resolution	1 µl	Material	PVC
Serial Number	QW10337	Operating Range	100-1000 µl
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**

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	99.91	99.93	99.92	99.95	99.96	99.94	-0.06	0.02	0.47
		99.94	99.95	99.93	99.95	99.95				
2	500	499.96	499.95	499.97	499.96	499.98	499.93	-0.07	0.03	0.47
		499.90	499.92	499.91	499.89	499.90				
3	1000	999.97	999.98	999.96	999.98	999.95	999.96	-0.04	421.62	0.47
		999.94	999.96	999.95	999.94	999.96				

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- 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)  
 D.VETRI SELVI

## 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/23/10544

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Customer Name & Address

GOVERNMENT COMMUNITY HEALTH CENTRE, PUDUPETTAI- 635651, TIRUPATTUR DISTRICT.	SRF No.	SRF/23/00320-0006
	SRF Date	24-08-2023
	Date of Receipt	24-08-2023
	Date of Calibration	24-08-2023
	Due Date for Calibration	23-08-2024
	Issue Date	25-08-2023

Details of Unit Under Calibration

Description	MICRO PIPETTE	Make	THERMO SCIENTIFIC
Range	10-100 µl	Model	FINNPIPETTE F3
Resolution	0.2 µl	Material	PVC
Serial Number	QW10101	Operating Range	10-100 µl
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	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	10.0	9.91	9.92	9.93	9.94	9.92	9.93	-0.07	0.01	0.47
		9.94	9.95	9.93	9.95	9.95				
2	50.0	49.85	49.86	49.85	49.88	49.87	49.85	-0.15	0.02	0.47
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		99.93	99.94	99.95	99.96	99.97				

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