



CALIBRATION CERTIFICATE

Certificate No: SBS/CL/23/12117

Page. No : 1 of 1

Customer Name & Address

GOVERNMENT PRIMARY HEALTH CENTRE,
THULUKKAMUTHUR-641654,TIRUPPUR DISTRICT.

SRF No.	SRF/23/00420-0004
SRF Date	30-09-2023
Date of Receipt	28-09-2023
Date of Calibration	30-09-2023
Due Date for Calibration	29-09-2024
Issue Date	01-10-2023

Details of Unit Under Calibration

Description	Micro Pipette	Make	THERMO SCIENTIFIC
Range	100-1000µl	Model	FINNPIPETTE F3
Resolution	1µl	Material	PVC
Serial Number	RW13927	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)	23.9	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. / Sl. 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	99.85	99.85	99.85	99.85	99.95	99.89	-0.11	0.04	0.47
		99.89	99.95	99.90	99.87	99.90				
2	500	499.90	499.95	499.90	499.90	499.95	499.90	-0.10	0.03	0.47
		499.89	499.88	499.85	499.85	499.90				
3	1000	999.89	999.88	999.89	999.87	999.90	999.91	-0.09	0.03	0.47
		999.93	999.90	999.91	999.94	999.95				

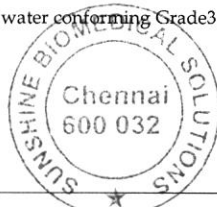
Remarks

- 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,

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/23/12118

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Customer Name & Address

GOVERNMENT PRIMARY HEALTH CENTRE,
THULUKKAMUTHUR-641654,TIRUPPUR DISTRICT.

SRF No.	SRF/23/00420-0005
SRF Date	30-09-2023
Date of Receipt	28-09-2023
Date of Calibration	30-09-2023
Due Date for Calibration	29-09-2024
Issue Date	01-10-2023

Details of Unit Under Calibration

Description	Micro Pipette	Make	THERMO SCIENTIFIC
Range	10-100µl	Model	FINNPIPETTE F3
Resolution	0.2µl	Material	PVC
Serial Number	RW10759	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)	23.7	Humidity (%RH)	56	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. / Sl. 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	9.94	9.96	9.95	9.97	9.98	9.96	-0.04	0.02	0.47
		9.93	9.95	9.98	9.94	9.97				
2	50.0	49.86	49.87	49.85	49.86	49.85	49.86	-0.14	0.01	0.47
		49.85	49.86	49.87	49.85	49.84				
3	100.0	99.85	99.85	99.85	99.85	99.95	99.89	-0.11	0.04	0.47
		99.89	99.95	99.90	99.87	99.90				

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7. Calibration Liquid Used: Distilled or Deionized water conforming Grade3 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,
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CALIBRATION CERTIFICATE

Certificate No: SBS/CL/23/12119

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Customer Name & Address

GOVERNMENT PRIMARY HEALTH CENTRE,
THULUKKAMUTHUR-641654,TIRUPPUR DISTRICT.

SRF No.	SRF/23/00420-0006
SRF Date	30-09-2023
Date of Receipt	28-09-2023
Date of Calibration	30-09-2023
Due Date for Calibration	29-09-2024
Issue Date	01-10-2023

Details of Unit Under Calibration

Description	Micro Pipette	Make	MICROLUX
Range	5-50µl	Model	NA
Resolution	1µl	Material	PVC
Serial Number	NA	Operating Range	10-50µl
ID Number	NA	Condition of UUC	Good
Cal. At	Mechanical Lab	Instrument Location	LABORATORY

Environmental Condition

Calibration Method Used

Temperature (°C)	23.7	Humidity (%RH)	56	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	TVCSPL22/12/2115-01	A&D & GH-252	National Standards	09-12-2023

Z Factor: 1.00319

Result of Calibration in µl

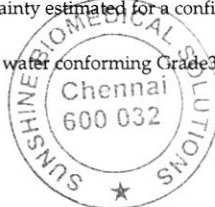
Sl. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)
1	10	9.94	9.96	9.95	9.97	9.98	9.96	-0.04	0.02	0.47
		9.93	9.95	9.98	9.94	9.97				
2	30	29.94	29.97	29.95	29.96	29.98	29.96	-0.05	0.02	0.47
		29.95	29.93	29.94	29.96	29.97				
3	50	49.86	49.87	49.85	49.86	49.85	49.86	-0.14	0.01	0.47
		49.85	49.86	49.87	49.85	49.84				

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