



CALIBRATION CERTIFICATE

Certificate No: SBS/CL/23/04205

Page. No : 1 of 1

Customer Name & Address

GOVERNMENT PRIMARY HEALTH CENTER, NARASIPURAM ,COIMBATORE-641109.	SRF No.	SRF/23/00152-0022
	SRF Date	10-04-2023
	Date of Receipt	10-04-2023
	Date of Calibration	10-04-2023
	Due Date for Calibration	09-04-2024
	Issue Date	10-04-2023

Details of Unit Under Calibration

Description	Micro Pipette	Make	ERBA MANNHEIM
Range	5-50µl	Model	
Resolution	0.5µl	Material	PVC
Serial Number	OC494673	Operating Range	
ID Number		Condition of UUC	Good
Cal. At	Mechanical Lab	Instrument Location	LABORATORY

Environmental Condition				Calibration Method Used	
Temperature (°C)	23.2	Humidity (%RH)	52	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 Semi Micro Balance	15112918	TVCSP12/12/2115-01	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	9.92	9.93	9.96	9.98	9.97	9.95	-0.05	0.02	0.47
		9.95	9.96	9.92	9.96	9.99				
2	30	29.83	29.85	29.86	29.85	29.82	29.83	-0.17	0.02	0.47
		29.81	29.82	29.84	29.83	29.82				
3	50	49.72	49.74	49.76	49.77	49.78	49.75	-0.25	0.02	0.47
		49.76	49.71	49.73	49.74	49.75				

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)
 R.YAZINIYAN



Authorised by:

(Quality Manager/Chief Executive)
 D.VETRI SELVI

CALIBRATION CERTIFICATE

Certificate No: SBS/CL/23/04202

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Customer Name & Address

GOVERNMENT PRIMARY HEALTH CENTER,
NARASIPURAM ,COIMBATORE-641109.

SRF No.	SRF/23/00152-0019
SRF Date	10-04-2023
Date of Receipt	10-04-2023
Date of Calibration	10-04-2023
Due Date for Calibration	09-04-2024
Issue Date	10-04-2023

Details of Unit Under Calibration

Description	Micro Pipette	Make	THERMO SCIENTIFIC
Range	10-100µl	Model	FINNPIPETTE F3
Resolution	0.2µl	Material	PVC
Serial Number	RW01634	Operating Range	
ID Number		Condition of UUC	Good
Cal. At	Mechanical Lab	Instrument Location	LABORATORY

Environmental Condition

Calibration Method Used

Temperature (°C)	23.2	Humidity (%RH)	52	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 Semi Micro Balance	15112918	TVCSPL22/12/2115-01	A&D & GH-252	National Standards	09-12-2023

Z Factor: 1.00319

Result of Calibration in µl

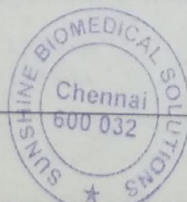
Sl. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)
1	10.0	9.92	9.94	9.96	9.95	9.94	9.95	-0.05	0.02	0.47
		9.94	9.95	9.97	9.95	9.98				
2	50.0	49.85	49.87	49.88	49.87	49.89	49.87	-0.13	0.02	0.47
		49.86	49.85	49.89	49.85	49.86				
3	100.0	99.74	99.76	99.75	99.75	99.76	99.76	-0.24	0.02	0.47
		99.76	99.78	99.77	99.78	99.79				

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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,

Yayan
(Calibration Engineer)
R.YAZINIYAN



Authorised by:

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



CALIBRATION CERTIFICATE

Page No : 1 of 1

Certificate No: SBS/CL/23/04203

Customer Name & Address

GOVERNMENT PRIMARY HEALTH CENTER,
NARASIPURAM ,COIMBATORE-641109.

SRF No.	SRF/23/00152-0020
SRF Date	10-04-2023
Date of Receipt	10-04-2023
Date of Calibration	10-04-2023
Due Date for Calibration	09-04-2024
Issue Date	10-04-2023

Details of Unit Under Calibration

Description	Micro Pipette	Make	THERMO SCIENTIFIC
Range	100-1000µl	Model	FINNPIPETTE F3
Resolution	1µl	Material	PVC
Serial Number	RW02623	Operating Range	
ID Number		Condition of UUC	Good
Cal. At	Mechanical Lab	Instrument Location	LABORATORY

Environmental Condition

Calibration Method Used

Temperature (°C)	23.2	Humidity (%RH)	52	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 Semi Micro Balance	15112918	TVCSP22/12/2115-01	A&D & GH-252	National Standards	09-12-2023

Z Factor: 1.00319

Result of Calibration in µl

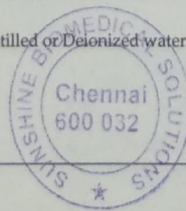
Sl. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)
1	100	99.92	99.94	99.95	99.94	99.93	99.95	-0.05	0.02	0.47
		99.94	99.96	99.94	99.97	99.98				
2	500	499.84	499.86	499.88	499.86	499.87	499.87	-0.13	0.02	0.47
		499.86	499.87	499.88	499.89	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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- Calibration Liquid Used: Distilled or Deionized water conforming Grade3 as specified in ISO 3696.

Calibrated By,

Yayan
(Calibration Engineer)
R.YAZINIYAN



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.



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CALIBRATION CERTIFICATE

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Certificate No: SBS/CL/23/04204

Customer Name & Address

GOVERNMENT PRIMARY HEALTH CENTER,
NARASIPURAM ,COIMBATORE-641109.

SRF No.	SRF/23/00152-0021
SRF Date	10-04-2023
Date of Receipt	10-04-2023
Date of Calibration	10-04-2023
Due Date for Calibration	09-04-2024
Issue Date	10-04-2023

Details of Unit Under Calibration

Description	Micro Pipette	Make	ERBA MANNHEIM
Range	100-1000µl	Model	
Resolution	5µl	Material	PVC
Serial Number	OC499888	Operating Range	
ID Number		Condition of UUC	Good
Cal. At	Mechanical Lab	Instrument Location	LABORATORY

Environmental Condition

Calibration Method Used

Temperature (°C)	23.2	Humidity (%RH)	52	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 Semi Micro Balance	15112918	TVCSP1.22/12/2115-01	A&D & GH-252	National Standards	09-12-2023

Z Factor: 1.00319

Result of Calibration in µl

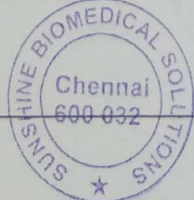
SI. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)
1	100	99.86	99.87	99.88	99.87	99.88	99.87	-0.13	0.01	0.47
		99.87	99.88	99.87	99.88	99.88				
2	500	498.87	498.86	498.87	498.86	498.87	498.87	-1.13	0.01	0.47
		498.86	498.87	498.86	498.87	498.88				
3	1000	999.76	999.77	999.76	999.76	999.77	998.97	-1.03	2.53	0.47
		991.78	999.79	999.79	999.76	999.76				

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Calibrated By,

R.Yaziniyan
(Calibration Engineer)
R.YAZINIYAN



Authorized by:

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

SUNSHINE BIOMEDICAL SOLUTIONS

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E-Mail: calibration@sunshinebiomedical.com, Website: www.sunshinebiomedical.com.

