



CALIBRATION CERTIFICATE

Certificate No: SBS/CL/23/13864

Page No : 1 of 1

Customer Name & Address

GOVERNMENT PRIMARY HEALTH CENTRE, MUTTAL-636112,SALEM DISTRICT.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>SRF No.</td> <td>SRF/23/00828-0004</td> </tr> <tr> <td>SRF Date</td> <td>14-09-2023</td> </tr> <tr> <td>Date of Receipt</td> <td>13-09-2023</td> </tr> <tr> <td>Date of Calibration</td> <td>14-09-2023</td> </tr> <tr> <td>Due Date for Calibration</td> <td>13-09-2024</td> </tr> <tr> <td>Issue Date</td> <td>15-09-2023</td> </tr> </table>	SRF No.	SRF/23/00828-0004	SRF Date	14-09-2023	Date of Receipt	13-09-2023	Date of Calibration	14-09-2023	Due Date for Calibration	13-09-2024	Issue Date	15-09-2023
SRF No.	SRF/23/00828-0004												
SRF Date	14-09-2023												
Date of Receipt	13-09-2023												
Date of Calibration	14-09-2023												
Due Date for Calibration	13-09-2024												
Issue Date	15-09-2023												

Details of Unit Under Calibration

Description	MICRO PIPETTE	Make	THERMO SCIENTIFIC
Range	10-100µl	Model	FINNPIPETTE F3
Resolution	0.2µl	Material	PVC
Serial Number	RW07964	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)	23.2	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

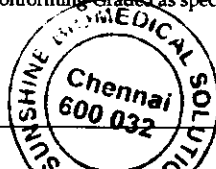
Result of Calibration in µl										
Sl. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)
1	10.0	9.87	9.86	9.88	9.88	9.88	9.87	-0.13	0.01	0.47
		9.88	9.88	9.87	9.86	9.87				
2	50.0	49.80	49.80	49.82	49.81	49.85	49.81	-0.19	0.02	0.47
		49.82	49.80	49.82	49.82	49.78				
3	100.0	99.84	99.86	99.87	99.87	99.88	99.87	-0.13	0.01	0.47
		99.87	99.88	99.86	99.87	99.88				

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 Grade 3 as specified in ISO 3696.

Calibrated By,


 (Calibration Engineer)
 M.ADHIBAN



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.



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Certificate No: SBS/CL/23/13865

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Customer Name & Address

GOVERNMENT PRIMARY HEALTH CENTRE,
MUTTAL-636112,SALEM DISTRICT.

SRF No.	SRF/23/00828-0005
SRF Date	14-09-2023
Date of Receipt	13-09-2023
Date of Calibration	14-09-2023
Due Date for Calibration	13-09-2024
Issue Date	15-09-2023

Details of Unit Under Calibration

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

Environmental Condition				Calibration Method Used	
Temperature (°C)	23.2	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

Sl. No.	Description	ID.No. / Sl. 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

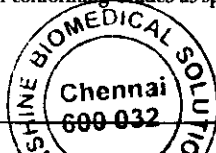
Sl. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)
1	10	9.96	9.97	9.95	9.96	9.94	9.96	-0.04	0.01	0.47
		9.97	9.98	9.95	9.96	9.97				
2	30	29.85	29.86	29.87	29.85	29.83	29.84	-0.16	0.02	0.47
		29.84	29.85	29.84	29.83	29.82				
3	50	49.85	49.86	49.87	49.85	49.85	49.86	-0.14	0.01	0.47
		49.88	49.87	49.88	49.85	49.86				

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- 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. 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.



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Certificate No: SBS/CL/23/13866

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Customer Name & Address

GOVERNMENT PRIMARY HEALTH CENTRE,
MUTTAL-636112,SALEM DISTRICT.

SRF No.	SRF/23/00828-0006
SRF Date	14-09-2023
Date of Receipt	13-09-2023
Date of Calibration	14-09-2023
Due Date for Calibration	13-09-2024
Issue Date	15-09-2023

Details of Unit Under Calibration

Description	MICRO PIPETTE	Make	THERMO SCIENTIFIC
Range	100-1000µl	Model	FINNPIPETTE F3
Resolution	1µl	Material	PVC
Serial Number	RW03169	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)	23.2	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

Sl. No.	Description	ID.No. / Sl. 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

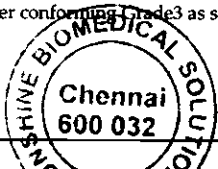
Result of Calibration in µl											
Sl. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)	
1	100	99.94	99.95	99.92	99.96	99.94	99.94	-0.06	0.02	0.47	
		99.91	99.92	99.94	99.95	99.96					
2	500	499.85	499.87	499.88	499.87	499.89	499.88	-0.12	0.01	0.47	
		499.87	499.89	499.90	499.88	499.89					
3	1000	999.96	999.97	999.95	999.98	999.99	999.97	-0.03	0.01	0.47	
		999.96	999.97	999.98	999.99	999.98					

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Calibrated By,

M. Adhiban
(Calibration Engineer)
M.ADHIBAN



Authorised by:

C. Sivabalan
(Quality Manager/Chief Executive)
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