



CALIBRATION CERTIFICATE

Certificate No: SBS/CL/23/13858

Page No: 1 of 1

Customer Name & Address

GOVERNMENT PRIMARY HEALTH CENTRE, SATHAPADI-636121, SALEM DISTRICT.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>SRF No.</td> <td>SRF/23/00827-0005</td> </tr> <tr> <td>SRF Date</td> <td>13-09-2023</td> </tr> <tr> <td>Date of Receipt</td> <td>12-09-2023</td> </tr> <tr> <td>Date of Calibration</td> <td>13-09-2023</td> </tr> <tr> <td>Due Date for Calibration</td> <td>12-09-2024</td> </tr> <tr> <td>Issue Date</td> <td>14-10-2023</td> </tr> </table>	SRF No.	SRF/23/00827-0005	SRF Date	13-09-2023	Date of Receipt	12-09-2023	Date of Calibration	13-09-2023	Due Date for Calibration	12-09-2024	Issue Date	14-10-2023
SRF No.	SRF/23/00827-0005												
SRF Date	13-09-2023												
Date of Receipt	12-09-2023												
Date of Calibration	13-09-2023												
Due Date for Calibration	12-09-2024												
Issue Date	14-10-2023												

Details of Unit Under Calibration

Description	MICRO PIPETTE	Make	THERMO SCIENTIFIC
Range	10-100µl	Model	FINNPIPETTE F3
Resolution	0.2µl	Material	PVC
Serial Number	RW09017	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	TVCSPL22/12/2115-01	A&D & GH-252	National Standards	09-12-2023

Z Factor: 1.00319

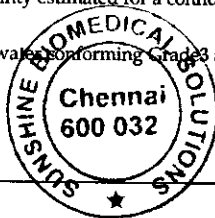
Result of Calibration in µl											
SI. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)	
1	10.0	9.87	9.86	9.88	9.88	9.88	9.87	-0.13	0.01	0.47	
		9.88	9.88	9.87	9.86	9.87					
2	50.0	49.80	49.80	49.82	49.81	49.85	49.81	-0.19	0.02	0.47	
		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.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/23/13859

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Customer Name & Address

GOVERNMENT PRIMARY HEALTH CENTRE,
SATHAPADI-636121,SALEM DISTRICT.

SRF No.	SRF/23/00827-0006
SRF Date	13-09-2023
Date of Receipt	12-09-2023
Date of Calibration	13-09-2023
Due Date for Calibration	12-09-2024
Issue Date	14-10-2023

Details of Unit Under Calibration

Description	MICRO PIPETTE	Make	THERMO SCIENTIFIC
Range	100-1000µl	Model	FINNPIPETTE F3
Resolution	1µl	Material	PVC
Serial Number	RW03215	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

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

SI. 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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- The recalibration interval should be determined on the user requirement.
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- 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,


(Calibration Engineer)
M.RAGUL



Authorised by:


(Quality Manager/Chief Executive)
C.SIVABALAN

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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/23/13860

Page No: 1 of 1

Customer Name & Address

GOVERNMENT PRIMARY HEALTH CENTRE,
SATHAPADI-636121,SALEM DISTRICT.

SRF No.	SRF/23/00827-0007
SRF Date	13-09-2023
Date of Receipt	12-09-2023
Date of Calibration	13-09-2023
Due Date for Calibration	12-09-2024
Issue Date	14-10-2023

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)	23.2	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

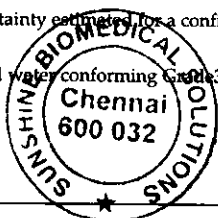
SI. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)
1	10	9.96	9.97	9.95	9.96	9.94	9.96	-0.04	0.01	0.47
		9.97	9.98	9.95	9.96	9.97				
2	30	29.85	29.86	29.87	29.85	29.83	29.84	-0.16	0.02	0.47
		29.84	29.85	29.84	29.83	29.82				
3	50	49.85	49.86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