



CALIBRATION CERTIFICATE

Certificate No: SBS/CL/23/13870 Page No: 1 of 1

Customer Name & Address GOVERNMENT PRIMARY HEALTH CENTRE, KATTUKOTTAI-636453, SALEM DISTRICT.	SRF No. SRF/23/00829-0004	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	100-1000µl	Model	FINNPIPETTE F3
Resolution	1µl	Material	PVC
Serial Number	RW11522	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/CF/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	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	999.99	999.98	999.97	999.96	999.95	999.95	-0.05	0.03	0.47
		999.95	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,

(Calibration Engineer)
 MRAGUL



Authorised by:




Quality Manager/Chief Executive
 CSIVABALAN

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


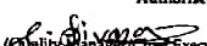

Certificate No: SBS/CL/23/13871				Page No: 1 of 1						
Customer Name & Address										
GOVERNMENT PRIMARY HEALTH CENTRE, KATTUKOTTAI-636453, SALEM DISTRICT.				SRF No.	SRF/23/00829-0005					
				SRF Date	14-09-2023					
				Date of Receipt	13-09-2023					
				Date of Calibration	14-09-2023					
				Due Date for Calibration	13-09-2024					
				Issue Date	15-09-2023					
Details of Unit Under Calibration										
Description	MICRO PIPETTE	Make	THERMO SCIENTIFIC							
Range	10-100µl	Model	FINNPIPETTE F3							
Resolution	0.2µl	Material	PVC							
Serial Number	RW09120	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										
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	9.87	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										
<ol style="list-style-type: none"> 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,				Authorised by:						
 (Calibration Engineer) M.RAGUL				 (Quality Manager/Chief Executive) CSIVABALAN						
										

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/23/13872				Page No: 1 of 1						
Customer Name & Address										
GOVERNMENT PRIMARY HEALTH CENTRE, KATTUKOTTAI-636453, SALEM DISTRICT.				SRF No.	SRF/23/00829-0006					
				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	MICROLUX						
Range	10-100µl		Model	NA						
Resolution	1µl		Material	PVC						
Serial Number	NA		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										
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 & GI I-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	9.95	9.96	9.94	9.93	9.92	9.94	-0.06	0.01	0.47
		9.95	9.94	9.96	9.94	9.95				
2	50	49.95	49.96	49.97	49.98	49.98	49.97	-0.03	0.01	0.47
		49.97	49.98	49.96	49.97	49.98				
3	100	99.96	99.95	99.97	99.98	99.96	99.96	-0.04	0.01	0.47
		99.96	99.97	99.96	99.95	99.94				
Remarks										
<ol style="list-style-type: none"> 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,				Authorised by:						
 (Calibration Engineer) MRAGUL				 (Quality Manager/Chief Executive) C.SIVABALAN						
										

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