



CALIBRATION CERTIFICATE

Certificate No: SBS/CL/23/15802

Page: No : 1 of 1

Customer Name & Address

GOVERNMENT PRIMARY HEALTH CENTRE,
E.PUDUPATTI-625604, THENI DISTRICT.

SRF No.	SRF/23/00638-0003
SRF Date	25-10-2023
Date of Receipt	24-10-2023
Date of Calibration	25-10-2023
Due Date for Calibration	24-10-2024
Issue Date	26-10-2023

Details of Unit Under Calibration

Description	MICRO PIPETTE	Make	THERMO SCIENTIFIC
Range	100-1000 µl	Model	FINNPIPETTE F3
Resolution	1µl	Material	PVC
Serial Number	RW12462	Operating Range	100-1000 µl
ID Number	NA	Condition of UUC	Good
Cal. At	Mechanical Lab	Instrument Location	LABORATORY

Environmental Condition

Temperature (°C)	23.6	Humidity (%RH)	55
Atmospheric Pressure (mbar)	1006	Water Temperature (°C)	21.6

Calibration Method Used

National / International Standard	ISO 8655-6:2002
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

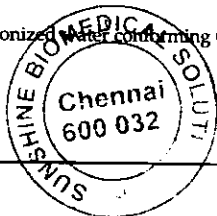
SI. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)
1	100	99.91	99.93	99.92	99.95	99.96	99.94	-0.06	0.02	0.47
		99.94	99.95	99.93	99.95	99.95				
2	500	499.96	499.95	499.97	499.96	499.98	499.93	-0.07	0.03	0.47
		499.90	499.92	499.91	499.89	499.90				
3	1000	999.97	999.98	999.96	999.98	999.95	999.96	-0.04	421.62	0.47
		999.94	999.96	999.95	999.94	999.96				

Remarks

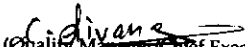
1. This Calibration certificate shall not be reproduced except in full, without written approval of the laboratory.
2. The user should determine the suitability of the instrument for its intended use.
3. The recalibration interval should be determined on the user requirement.
4. The results stated in 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)
 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/23/15803

Page No : 1 of 1

Customer Name & Address

GOVERNMENT PRIMARY HEALTH CENTRE,
E.PUDUPATTI-625604, THENI DISTRICT.

SRF No.	SRF/23/00638-0004
SRF Date	25-10-2023
Date of Receipt	24-10-2023
Date of Calibration	25-10-2023
Due Date for Calibration	24-10-2024
Issue Date	26-10-2023

Details of Unit Under Calibration

Description	MICRO PIPETTE	Make	THERMO SCIENTIFIC
Range	10-100µl	Model	FINNPIPETTE F3
Resolution	0.2µl	Material	PVC
Serial Number	RW09424	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)	23.9	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. / 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

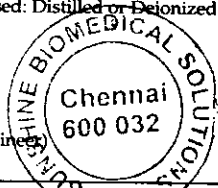
Sl. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)
1	10.0	9.91	9.92	9.90	9.92	9.93	9.92	-0.08	0.01	0.47
		9.92	9.93	9.92	9.93	9.91				
2	50.0	49.95	49.96	49.95	49.95	49.96	49.96	-0.04	0.01	0.47
		49.96	49.97	49.98	49.97	49.96				
3	100.0	99.89	99.88	99.89	99.87	99.88	99.87	-0.13	0.01	0.47
		99.88	99.87	99.85	99.86	99.87				

Remarks

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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,

(Calibration Engineer)
M.RAGUL



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/CLJ/23/15804		MEDICAL DEVICES		Page No:1 of 1
Issue Date	26-10-2023			
SRF No & Date	SRF/23/00638-0005 & 25-10-2023			
Receipt Date	25-10-2023			
Calibration Date	25-10-2023			
Calibration Due	24-10-2024			
Customer Name & Address				
GOVERNMENT PRIMARY HEALTH CENTRE, EPPODUMVENDRAN-626712,THOOTHUKUDI DISTRICT.				
Details of Device Under Calibration (DUC)				
Description	ELECTRICAL SAFETY (MICROSCOPE)	Make & Model	OLYMPUS & CH20IBIMF	
Range	MULTI	Sr. No	11L026	
Resolution	MULTI	Identification No	NA	
DUC Condition	SATISFACTORY	Location	LABORATORY	
Environmental Conditions & Calibration Procedure Details				
Environmental Details	Temperature:25.6°C	Relative Humidity	52% RH	
Calibration Procedure No	SBS/CP/MD/29	Calibration done at	ONSITE	
Reference Standards Details				
S.No	Description	Make/ SI No:	Certificate No	Validity
1	Electrical Safety Analyser	Rigel Medical & 44L-1059	M-230809-16-4	10-08-2024

ELECTRICAL SAFETY

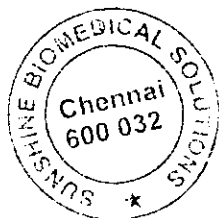
RESULTS			
S.no	SPECIFICATION	MEASURED VALUES	EXPANDED UNCERTAINTY (±)
1	Insulation Resistance >20MΩ	Measured values in MΩ 81	Uncertainty in % (±) 13.92
2	Earth Leakage <5000μAfor B,BF,CF	Measured values in μA 175	Uncertainty in % (±) 9.9
3	Enclosure Leakage <500μAfor B,BF,CF	Measured values in μA 226	Uncertainty in % (±) 8.6

REMARKS

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- 4.The results stated in this certificate relate only to the item calibrated.
- 5.The indicated uncertainties are expanded uncertainty estimated for a confidence level of approximately 95% for a coverage factor k=2.00 .
6. Equipment used for Calibration were calibrated & traceable to National & International Standards.

Calibrated By

KSH
(Calibration Engineer)
K.SATHYAMOORTHY



Authorised Signatory

C.SL
Technical Manager
C.SHANMUGARAJ

Chief Executive

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