

CALIBRATION CERTIFICATE

Certificate No: SBS/CL/23/13174

Page. No: 1 of 1

Customer Name & Address

GOVERNMENT PRIMARY HEALTH CENTRE(KILIYANUR BLOCK),
UPPUVELUR-605753,VILLUPURAM DISTRICT.

SRF No.	SRF/23/00689-0001
SRF Date	05-10-2023
Date of Receipt	05-10-2023
Date of Calibration	05-10-2023
Due Date for Calibration	04-10-2024
Issue Date	06-10-2023

Details of Unit Under Calibration

Description	Micro Pipette	Make	THERMO SCIENTIFIC
Range	100-1000µl	Model	FINNPIPETTE F3
Resolution	1µl	Material	PVC
Serial Number	RW11621	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)	23.9	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	TVCSPL22/12/2115-01	A&D & GH-252	National Standards	09-12-2023

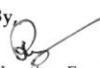
Z Factor: 1.00319

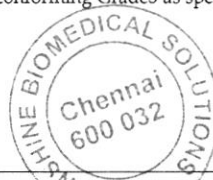
Result of Calibration in µl

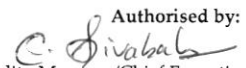
Sl. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)
1	100	99.85	99.87	99.85	99.84	99.95	99.89	-0.11	0.04	0.47
		99.89	99.95	99.90	99.87	99.90				
2	500	499.90	499.95	499.90	499.90	499.95	499.90	-0.10	0.03	0.47
		499.89	499.88	499.85	499.85	499.90				
3	1000	999.89	999.88	999.89	999.87	999.90	999.91	-0.09	0.03	0.47
		999.93	999.90	999.91	999.94	999.95				

Remarks

- 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: 
(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/23/13173

Page. No: 1 of 1

Customer Name & Address

GOVERNMENT PRIMARY HEALTH CENTRE(KILIYANUR BLOCK),
UPPUVELUR-605753,VILLUPURAM DISTRICT.

SRF No.	SRF/23/00689-0002
SRF Date	05-10-2023
Date of Receipt	05-10-2023
Date of Calibration	05-10-2023
Due Date for Calibration	04-10-2024
Issue Date	06-10-2023

Details of Unit Under Calibration

Description	Micro Pipette	Make	PFACT
Range	10-100µl	Model	NA
Resolution	5µl	Material	PVC
Serial Number	OB491110	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)	23.8	Humidity (%RH)	56	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

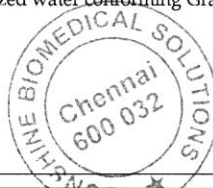
Result of Calibration in µl

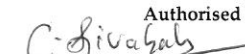
Sl. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)
1	10	9.94	9.97	9.95	9.96	9.93	9.95	-0.05	0.02	0.47
		9.98	9.95	9.92	9.97	9.96				
2	50	49.85	49.86	49.87	49.82	49.83	49.85	-0.15	0.02	0.47
		49.87	49.85	49.82	49.89	49.87				
3	100	99.94	99.95	99.98	99.97	99.96	99.96	-0.04	0.02	0.47
		99.93	99.92	99.98	99.97	99.95				

Remarks

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- 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.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,
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CALIBRATION CERTIFICATE

CERTIFICATE NO: SBS/CL/23/13808	MEDICAL DEVICES	Page No:1 of 1
Issue Date	03-10-2023	
SRF No & Date	SRF/23/00689-0003 & 03-10-2023	
Receipt Date	03-10-2023	
Calibration Date	03-10-2023	
Calibration Due	02-10-2024	

Customer Name & Address

GOVERNMENT UPGRADED PRIMARY HEALTH CENTRE,
UPPUVELLUR,VILLUPURAM DISTRICT.

Details of Device Under Calibration (DUC)

Description : SEMI AUTO ANALYZER	Make & Model : ROBONIK & PRIETEST TOUCH
Range : MULTI	Sr. No : AT4400211RBK
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/20	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 Resitance >20MΩ	Measured values in MΩ 92	Uncertainty in % (±) 13.92
2	Earth Leakage <5000µAfor B,BF,CF	Measured values in µA 161	Uncertainty in % (±) 10.4
3	Enclosure Leakage <500µAfor B,BF,CF	Measured values in µA 237	Uncertainty in % (±) 8.5

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

Authorised Signatory


(Calibration Engineer)
M.DINESH




 Technical Manager
(C.SHANMUGARAJ)

Chief Executive

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/23/13809		MEDICAL DEVICES		Page No:1 of 1
Issue Date	03-10-2023			
SRF No & Date	SRF/23/00563-0004 & 03-10-2023			
Receipt Date	03-10-2023			
Calibration Date	03-10-2023			
Calibration Due	02-10-2024			
Customer Name & Address				
GOVERNMENT UPGRADED PRIMARY HEALTH CENTRE, UPPUVELUR,VILLUPURAM DISTRICT.				
Details of Device Under Calibration (DUC)				
Description	ELECTRICAL SAFETY(MICROSCOPE)	Make & Model	LABOMED & CXL PLUS	
Range	MULTI	Sr. No	130661135	
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 87	Uncertainty in % (±) 13.92
2	Earth Leakage <5000µAfor B,BF,CF	Measured values in µA 195	Uncertainty in % (±) 9.3
3	Enclosure Leakage <500µAfor B,BF,CF	Measured values in µA 241	Uncertainty in % (±) 8.4

REMARKS

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- 3.The recalibration interval should be determined on the user requirement.
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6. Equipment used for Calibration were calibrated & traceable to National & International Standards.

Calibrated By

Authorised Signatory

M.D
(Calibration Engineer)
M.DINESH



C.S
 Technical Manager
(C.SHANMUGARAJ)

Chief Executive

SUNSHINE BIOMEDICAL SOLUTIONS

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