

CALIBRATION CERTIFICATE

Certificate No: SBS/CL/23/13804

Page No: 1 of 1

Customer Name & Address

GOVERNMENT PRIMARY HEALTH CENTRE, CHUNAMBEDU-603304, CHENGALPATTU DISTRICT.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>SRF No.</td> <td>SRF/23/00817-0001</td> </tr> <tr> <td>SRF Date</td> <td>07-10-2023</td> </tr> <tr> <td>Date of Receipt</td> <td>06-10-2023</td> </tr> <tr> <td>Date of Calibration</td> <td>07-10-2023</td> </tr> <tr> <td>Due Date for Calibration</td> <td>06-10-2024</td> </tr> <tr> <td>Issue Date</td> <td>07-10-2023</td> </tr> </table>	SRF No.	SRF/23/00817-0001	SRF Date	07-10-2023	Date of Receipt	06-10-2023	Date of Calibration	07-10-2023	Due Date for Calibration	06-10-2024	Issue Date	07-10-2023
SRF No.	SRF/23/00817-0001												
SRF Date	07-10-2023												
Date of Receipt	06-10-2023												
Date of Calibration	07-10-2023												
Due Date for Calibration	06-10-2024												
Issue Date	07-10-2023												

Details of Unit Under Calibration

Description	MICRO PIPETTE	Make	THERMO SCIENTIFIC
Range	10-100µl	Model	FINNPIPETTE F3
Resolution	0.2µl	Material	PVC
Serial Number	RW05699	Operating Range	10-100µl
ID Number	NA	Condition of UUC	Good
Cal. At	Mechanical Lab	Instrument Location	LABORATORY

Environmental Condition

Temperature (°C)	23.6	Humidity (%RH)	55	Calibration Method Used
Atmospheric Pressure (mbar)	1006	Water Temperature (°C)	21.6	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	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	9.95	9.94	9.97	9.98	9.97	9.96	-0.04	0.01	0.47
		9.96	9.97	9.95	9.96	9.97				
2	50	49.95	49.96	49.97	49.96	49.97	49.96	-0.04	0.01	0.47
		49.95	49.96	49.97	49.98	49.96				
3	100	99.96	99.97	99.96	99.95	99.97	99.95	-0.05	0.01	0.47
		99.94	99.93	99.95	99.94	99.95				

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,

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.



CALIBRATION CERTIFICATE

Certificate No: SBS/CL/23/13805

Page No: 1 of 1

Customer Name & Address

GOVERNMENT PRIMARY HEALTH CENTRE, CHUNAMEDU-603304, CHENGALPATTU DISTRICT.	SRF No.	SRF/23/00817-0002
	SRF Date	07-10-2023
	Date of Receipt	06-10-2023
	Date of Calibration	07-10-2023
	Due Date for Calibration	07-10-2024
	Issue Date	07-10-2024

Details of Unit Under Calibration

Description	MICRO PIPETTE	Make	MICROLUX
Range	100-1000µl	Model	NA
Resolution	10µl	Material	PVC
Serial Number	NA	Operating Range	100-1000µl
ID Number	NA	Condition of UUC	Good
Cal. At	Mechanical Lab	Instrument Location	LABORATORY

Environmental Condition

Temperature (°C)	23.6	Humidity (%RH)	55	Calibration Method Used
Atmospheric Pressure (mbar)	1006	Water Temperature (°C)	21.6	National / International Standard
				ISO 8655-6:2002
				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

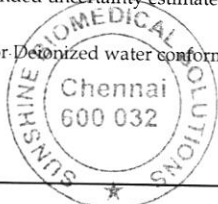
Sl. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)
1	100	99.98	99.97	99.96	99.98	99.97	99.97	-0.03	0.01	0.47
		99.94	99.95	99.96	99.97	99.98				
2	500	499.97	499.98	499.95	499.96	499.95	499.95	-0.05	0.02	0.47
		499.92	499.94	499.93	499.94	499.95				
3	1000	999.95	999.97	999.95	999.96	999.97	999.96	-0.04	0.01	0.47
		999.95	999.97	999.96	999.97	999.98				

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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.

CALIBRATION CERTIFICATE

CERTIFICATE NO: SBS/CL/23/13806	MEDICAL DEVICES	Page No:1 of 1
Issue Date	06-10-2023	
SRF No & Date	SRF/23/00817-0003& 07-10-2023	
Receipt Date	06-10-2023	
Calibration Date	07-10-2023	
Calibration Due	07-10-2024	

Customer Name & Address
 GOVERNMENT PRIMARY HEALTH CENTRE,
 CHUNAMBEDU-603304,CHENGALPATTU DISTRICT.

Details of Device Under Calibration (DUC)

Description : SEMI AUTO ANALYZER	Make & Model : ROBONIK & PRIETEST TOUCH
Range : MULTI	Sr. No : ATCD0361220RBK
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 Resisance >20MΩ	Measured values in MΩ 83	Uncertainty in % (±) 13.92
2	Earth Leakage <5000µAfor B,BF,CF	Measured values in µA 148	Uncertainty in % (±) 7.7
3	Enclosure Leakage <500µAfor B,BF,CF	Measured values in µA 216	Uncertainty in % (±) 7.3

REMARKS

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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

M Adhiban
 (Calibration Engineer)
 M.ADHIBAN



C.Shanmugaraaj
 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/23/13807	MECHANICAL	Page No:1 of 1
Issue Date	07-10-2023		
SRF No & Date	SRF/23/00817-0004 & 07-10-2023		
Receipt Date	06-10-2023		
Calibration Date	07-10-2023		
Calibration Due	06-10-2024		

Customer Name & Address

GOVERNMENT PRIMARY HEALTH CENTRE,
CHUNAMBEDU-603304, CHENGALPATTU DISTRICT.

Details of Device Under Calibration (DUC)

Description : CENTRIFUGE	Make & Model : REMI&R-8C
Range : 3500 RPM	Sr. No : ZHBN-05154
Resolution : 1 RPM	Identification No : NA
DUC Condition : Satisfactory	Location : LABORATORY

Environmental Conditions & Standard Operating Procedure Details

Environmental Details	Temperature: 24.3 °C	Relative Humidity	54 % Rh
Calibration Procedure No	SBS/CP/ML/04	Calibration done at	ONSITE

Reference Standards Details

S.No	Description	Make/ SI No:	Certificate No	Validity
1	Digital Tachometer	Lutron & DT-2238	JRPM-CCTR-A&S-2022-0036	03-10-2023

CALIBRATION RESULTS

S.No	DEVICE UNDER CALIBRATION READINGS	STANDARD INSTRUMENTS	DEVIATION	EXPANDED UNCERTAINTY (±)
	RPM	RPM	RPM	%
1	1000	999.8	0.2	4.2
2	2000	1999	1	4.2
3	3000	2997	3	4.2

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M. Adhiban
(Calibration Engineer)
M.ADHIBAN



C. Sivabalan
Quality Manager
(C.SIVABALAN) Chief Executive

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