



## CALIBRATION CERTIFICATE

<b>CERTIFICATE NO: SBS/CL/23/14152</b>		<b>MEDICAL DEVICES</b>		<b>Page No:1 of 1</b>
Issue Date	12-10-2023			
SRF No & Date	SRF/23/00859-0001 & 11-10-2023			
Receipt Date	11-10-2023			
Calibration Date	11-10-2023			
Calibration Due	10-10-2024			
<b>Customer Name &amp; Address</b>				
GOVERNMENT PRIMARY HEALTH CENTRE, UNICHETTY-635107,KRISHNAGIRI DISTRICT.				
<b>Details of Device Under Calibration (DUC)</b>				
Description	: SEMI AUTO ANALYZER	Make & Model	: ROBONIK & PRIETEST TOUCH	
Range	: MULTI	Sr. No	: AT0700413RBK	
Resolution	: MULTI	Identification No	: NA	
DUC Condition	: SATISFACTORY	Location	: LABORATORY	
<b>Environmental Conditions &amp; Calibration Procedure Details</b>				
Environmental Details	Temperature:25.6 ° C	Relative Humidity	52% RH	
Calibration Procedure No	SBS/CP/MD/20	Calibration done at	ONSITE	
<b>Reference Standards Details</b>				
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

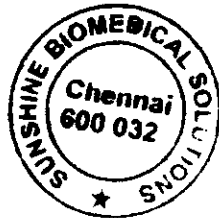
S.no	SPECIFICATION	MEASURED VALUES	EXPANDED UNCERTAINTY (±)
1	Insulation Resistance >20MΩ	Measured values in MΩ 89	Uncertainty in % (±) 13.92
2	Earth Leakage <5000µAfor B,BF,CF	Measured values in µA 151	Uncertainty in % (±) 7.7
3	Enclosure Leakage <500µAfor B,BF,CF	Measured values in µA 225	Uncertainty in % (±) 7.2

#### 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.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

  
(Calibration Engineer)  
M.DINESH



Authorised Signatory

  
Technical Manager  
C.SHANMUGARAJ

Chief Executive

## 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/23/14153		MEDICAL DEVICES		Page No:1 of 1
Issue Date	12-10-2023			
SRF No & Date	SRF/23/00859-0002 & 11-10-2023			
Receipt Date	11-10-2023			
Calibration Date	11-10-2023			
Calibration Due	10-10-2024			
<b>Customer Name &amp; Address</b>				
GOVERNMENT PRIMARY HEALTH CENTRE, UNICHETTY-635107,KRISHNAGIRI DISTRICT.				
<b>Details of Device Under Calibration (DUC)</b>				
Description	: ELECTRICAL SAFETY (CELL COUNTER)	Make & Model	: SYSMEX & XP-100	
Range	: MULTI	Sr. No	: 86037	
Resolution	: MULTI	Identification No	: NA	
DUC Condition	: SATISFACTORY	Location	: LABORATORY	
<b>Environmental Conditions &amp; Calibration Procedure Details</b>				
Environmental Details	Temperature:25.6 ° C	Relative Humidity	52% RH	
Calibration Procedure No	SBS/CP/MD/29	Calibration done at	ONSITE	
<b>Reference Standards Details</b>				
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

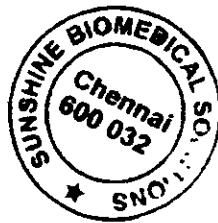
S.no	SPECIFICATION	MEASURED VALUES	EXPANDED UNCERTAINTY (±)
1	Insulation Resistance >20MΩ	Measured values in MΩ 97	Uncertainty in % ( ± ) 13.92
2	Earth Leakage <5000µAfor B,BF,CF	Measured values in µA 189	Uncertainty in % ( ± ) 7.4
3	Enclosure Leakage <500µAfor B,BF,CF	Measured values in µA 225	Uncertainty in % ( ± ) 7.2

#### REMARKS

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- 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.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

  
(Calibration Engineer)  
M.DINESH



Authorised Signatory

  
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

<b>CERTIFICATE NO: SBS/CL/23/14154</b>		<b>MEDICAL DEVICES</b>		<b>Page No:1 of 1</b>
Issue Date	12-10-2023			
SRF No & Date	SRF/23/00859-0003 & 11-10-2023			
Receipt Date	11-10-2023			
Calibration Date	11-10-2023			
Calibration Due	10-10-2024			
<b>Customer Name &amp; Address</b>				
GOVERNMENT PRIMARY HEALTH CENTRE, UNICHETTY-635107,KRISHNAGIRI DISTRICT.				
<b>Details of Device Under Calibration (DUC)</b>				
Description	ELECTRICAL SAFETY (MICROSCOPE)	Make & Model	LABOMED & VISION 2000	
Range	MULTI	Sr. No	160287552	
Resolution	MULTI	Identification No	NA	
DUC Condition	SATISFACTORY	Location	BLOOD BANK	
<b>Environmental Conditions &amp; Calibration Procedure Details</b>				
Environmental Details	Temperature:25.6 ° C	Relative Humidity	52% RH	
Calibration Procedure No	SBS/CP/MD/29	Calibration done at	ONSITE	
<b>Reference Standards Details</b>				
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

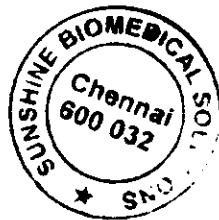
S.no	SPECIFICATION	MEASURED VALUES	EXPANDED UNCERTAINTY (±)
1	Insulation Resistance	Measured values in MΩ	Uncertainty in % ( ± )
	>20MΩ	89	13.92
2	Earth Leakage	Measured values in μA	Uncertainty in % ( ± )
	<5000μAfor B,BF,CF	177	7.5
3	Enclosure Leakage	Measured values in μA	Uncertainty in % ( ± )
	<500μAfor B,BF,CF	241	7.2

#### 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.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

  
(Calibration Engineer)  
M.DINESH



Authorised Signatory

  
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/23/14155

Page No: 1 of 1

**Customer Name & Address**

GOVERNMENT PRIMARY HEALTH CENTRE, UNICHETTY-635107, KRISHNAGIRI DISTRICT.	SRF No.	SRF/23/00859-0004
	SRF Date	11-10-2023
	Date of Receipt	10-10-2023
	Date of Calibration	11-10-2023
	Due Date for Calibration	10-10-2024
	Issue Date	12-10-2023

**Details of Unit Under Calibration**

Description	MICRO PIPETTE	Make	THERMO SCIENTIFIC
Range	100-1000µl	Model	FINNPIPETTE F3
Resolution	1µl	Material	PVC
Serial Number	NA	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	99.86	99.87	99.85	99.84	99.84	-0.16	0.02	0.47	
		99.83	99.82	99.85	99.81	99.82					
2	500	499.88	499.87	499.86	499.85	499.84	499.85	-0.15	0.02	0.47	
		499.85	499.87	499.85	499.84	499.83					
3	1000	999.95	999.97	999.95	999.94	999.93	999.94	-0.06	0.02	0.47	
		999.92	999.91	999.93	999.94	999.95					

**Remarks**

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- 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 or Forming 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,  
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## CALIBRATION CERTIFICATE

Certificate No: SBS/CL/23/14156 Page No: 1 of 1

Customer Name & Address		SRF No.	
GOVERNMENT PRIMARY HEALTH CENTRE, UNICHETTY-635107, KRISHNAGIRI DISTRICT.		SRF/23/00859-0005	
		SRF Date	
		11-10-2023	
		Date of Receipt	
		10-10-2023	
		Date of Calibration	
11-10-2023		Due Date for Calibration	
10-10-2024		Issue Date	
12-10-2023			

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)	23.9	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	9.95	9.97	9.96	9.97	9.96	9.96	-0.04	0.01	0.47
		9.96	9.97	9.98	9.95	9.96				
2	30	29.85	29.86	29.87	29.88	29.85	29.86	-0.14	0.01	0.47
		29.85	29.86	29.87	29.85	29.84				
3	50	49.88	49.87	49.88	49.86	49.87	49.86	-0.14	0.02	0.47
		49.85	49.86	49.85	49.83	49.82				

**Remarks**

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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, USP Reagent Grade 3 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,  
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## CALIBRATION CERTIFICATE

Certificate No: SBS/CL/23/14157 Page No: 1 of 1

Customer Name & Address  GOVERNMENT PRIMARY HEALTH CENTRE, UNICHETTY-635107, KRISHNAGIRI DISTRICT.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>SRF No.</td><td>SRF/23/00859-0006</td></tr> <tr><td>SRF Date</td><td>11-10-2023</td></tr> <tr><td>Date of Receipt</td><td>10-10-2023</td></tr> <tr><td>Date of Calibration</td><td>11-10-2023</td></tr> <tr><td>Due Date for Calibration</td><td>10-10-2024</td></tr> <tr><td>Issue Date</td><td>12-10-2023</td></tr> </table>	SRF No.	SRF/23/00859-0006	SRF Date	11-10-2023	Date of Receipt	10-10-2023	Date of Calibration	11-10-2023	Due Date for Calibration	10-10-2024	Issue Date	12-10-2023
SRF No.	SRF/23/00859-0006												
SRF Date	11-10-2023												
Date of Receipt	10-10-2023												
Date of Calibration	11-10-2023												
Due Date for Calibration	10-10-2024												
Issue Date	12-10-2023												

Details of Unit Under Calibration			
Description	MICRO PIPETTE	Make	MICROLUX
Range	100-1000µl	Model	NA
Resolution	1µl	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				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	99.97	99.98	99.97	99.96	99.95	99.94	-0.06	0.03	0.47	
		99.92	99.91	99.92	99.93	99.91					
2	500	499.88	499.87	499.86	499.85	499.84	499.85	-0.15	0.02	0.47	
		499.85	499.87	499.85	499.84	499.83					
3	1000	999.77	999.75	999.76	999.75	999.74	999.75	-0.25	0.02	0.47	
		999.76	999.77	999.78	999.72	999.71					

**Remarks**

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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 containing Grade3 as specified in ISO 3696.

Calibrated By,  
  
 (Calibration Engineer)  
 M.ADHIBAN



Authorised by:  
  
 (Quality Manager, Chief Executive)  
 C.SIVABALAN