

## CALIBRATION CERTIFICATE

CERTIFICATE NO: SBS/CL/23/12903	MEDICAL DEVICES	Page No:1 of 1
Issue Date	07-10-2023	
SRF No & Date	SRF/23/00646-0001 & 06-10-2023	
Receipt Date	06-10-2023	
Calibration Date	06-10-2023	
Calibration Due	05-10-2024	

**Customer Name & Address**

GOVERNMENT PRIMARY HEALTH CENTRE,  
VARASANADU-625579, THENI DISTRICT.

**Details of Device Under Calibration (DUC)**

Description	SEMI AUTO ANALYZER	Make & Model	ROBONIK & PRIETEST TOUCH
Range	MULTI	Sr. No	ATCD3651220RBK
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	<b>Insulation Resitance</b>	<b>Measured values in MΩ</b>	<b>Uncertainty in % ( ± )</b>
	>20MΩ	99	13.92
2	<b>Earth Leakage</b>	<b>Measured values in µA</b>	<b>Uncertainty in % ( ± )</b>
	<5000µAfor B,BF,CF	169	7.6
3	<b>Enclosure Leakage</b>	<b>Measured values in µA</b>	<b>Uncertainty in % ( ± )</b>
	<500µAfor B,BF,CF	233	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)  
P.PRASANNA



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/23/12904	MECHANICAL	Page No:1 of 1	
Issue Date	07-10-2023			
SRF No & Date	SRF/23/00646-0002 & 06-10-2023			
Receipt Date	06-10-2023			
Calibration Date	06-10-2023			
Calibration Due	05-10-2024			
<b>Customer Name &amp; Address</b>				
GOVERNMENT PRIMARY HEALTH CENTRE, VARASANADU-625579, THENI DISTRICT.				
<b>Details of Device Under Calibration (DUC)</b>				
Description	CENTRIFUGE	Make & Model	MKOW OPTIC & MK2304	
Range	3500 RPM	Sr. No	03348	
Resolution	1 RPM	Identification No	NA	
DUC Condition	Satisfactory	Location	LABORATORY	
<b>Environmental Conditions &amp; Standard Operating Procedure Details</b>				
Environmental Details	Temperature: 25.3°C	Relative Humidity	55% Rh	
Calibration Procedure No	SBS/CP/ML/04	Calibration done at	ONSITE	
<b>Reference Standards Details</b>				
S.No	Description	Make/ SI No:	Certificate No	Validity
1	Digital Tachometer	LINE SEIKI / 175-0034V	JRPM-CCTR-A&S-2023-0013	09-06-2024

### **CALIBRATION RESULTS**

S.No	DEVICE UNDER CALIBRATION	STANDARD INSTRUMENTS	DEVIATION	EXPANDED UNCERTAINTY
	RPM	RPM	RPM	%
1	1000	998.8	1.2	4.2
2	2000	1999.3	0.7	4.2
3	3500	3499.4	0.6	4.2

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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

  
(Calibration Engineer)  
P.PRASANNA



Authorised Signatory

  (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

<b>CERTIFICATE NO: SBS/CL/23/12905</b>	<b>MEDICAL DEVICES</b>	<b>Page No:1 of 1</b>
Issue Date	07-10-2023	
SRF No & Date	SRF/23/00646-0003 & 06-10-2023	
Receipt Date	06-10-2023	
Calibration Date	06-10-2023	
Calibration Due	05-10-2024	

**Customer Name & Address**  
 GOVERNMENT PRIMARY HEALTH CENTRE,  
 VARASANADU-625579, THENI DISTRICT.

Details of Device Under Calibration (DUC)			
Description	ELECTRICAL SAFETY (MICROSCOPE)	Make & Model	LAWRENCE MAYO & XS2-N10TT
Range	MULTI	Sr. No	G2019011555
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	<b>Insulation Resistance</b> >20MΩ	<b>Measured values in MΩ</b> 92	<b>Uncertainty in % ( ± )</b> 13.92
2	<b>Earth Leakage</b> <5000µAfor B,BF,CF	<b>Measured values in µA</b> 145	<b>Uncertainty in % ( ± )</b> 7.8
3	<b>Enclosure Leakage</b> <500µAfor B,BF,CF	<b>Measured values in µA</b> 249	<b>Uncertainty in % ( ± )</b> 7.1

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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)  
 P.PRASANNA

  
 Technical Manager  
 C.SHANMUGARAJ

Chief Executive

