

## CALIBRATION CERTIFICATE

<b>CERTIFICATE NO: SBS/CL/23/12458</b>	<b>MEDICAL DEVICES</b>	<b>Page No:1 of 1</b>
Issue Date	30-09-2023	
SRF No & Date	SRF/23/00548-0001 & 30-09-2023	
Receipt Date	30-09-2023	
Calibration Date	30-09-2023	
Calibration Due	29-09-2024	

**Customer Name & Address**

GOVERNMENT UPGRADED PRIMARY HEALTH CENTRE,  
OLAKKUR-604305,VILLUPURAM DISTRICT.

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

Description : ELECTRICAL SAFETY(MICROSCOPE)	Make & Model : OLYMPUS & CH20iBMP
Range : MULTI	Sr. No : 1111092
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> 93	<b>Uncertainty in % ( ± )</b> 13.92
2	<b>Earth Leakage</b> <5000µAfor B,BF,CF	<b>Measured values in µA</b> 161	<b>Uncertainty in % ( ± )</b> 10.4
3	<b>Enclosure Leakage</b> <500µAfor B,BF,CF	<b>Measured values in µA</b> 226	<b>Uncertainty in % ( ± )</b> 8.6


**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

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,  
E-Mail: calibration@sunshinebiomedical.com, Website: www.sunshinebiomedical.com.

## CALIBRATION CERTIFICATE

<b>CERTIFICATE NO:</b>	SBS/CL/23/12480	<b>MECHANICAL</b>	Page No:1 of 1
Issue Date	30-09-2023		
SRF No & Date	SRF/23/00548-0002 & 30-09-2023		
Receipt Date	30-09-2023		
Calibration Date	30-09-2023		
Calibration Due	29-09-2024		

**Customer Name & Address**  
 GOVERNMENT UPGRADED PRIMARY HEALTH CENTRE,  
 OLAKKUR-604305,VILLUPURAM DISTRICT.

### Details of Device Under Calibration (DUC)

Description : CENTRIFUGE	Make & Model : REMI & R-8C
Range : 3500 RPM	Sr. No : ZHBN05104
Resolution : 1 RPM	Identification No : NA
DUC Condition : Satisfactory	Location : LABORATORY

### Environmental Conditions & Standard Operating Procedure Details

Environmental Details	Temperature: 25.5°C	Relative Humidity	52%Rh
Calibration Procedure No	SBS/CP/ML/04	Calibration done at	ONSITE

### Reference Standards Details

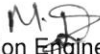
S.No	Description	Make/ SI No:	Certificate No	Validity
1	Digital Tachometer	LINE SEIKI / 175-0034V	JRPM-CCTR-A&S-2023-0013	09-06-2024

### CALIBRATION RESULTS

S.No	DEVICE UNDER CALIBRATION	STANDARD INSTRUMENTS	DEVIATION	EXPANDED UNCERTAINTY
	RPM	RPM	RPM	%
1	1000	999.0	1.0	4.2
2	2000	1999.5	0.5	4.2
3	3000	2999.5	0.5	4.2

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6. Equipment used for Calibration were calibrated & traceable to National & International Standards.

Calibrated By  
  
 (Calibration Engineer)  
 M.DINESH



Authorised Signatory

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

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## CALIBRATION CERTIFICATE

<b>CERTIFICATE NO: SBS/CL/23/12481</b>		<b>MEDICAL DEVICES</b>		<b>Page No:1 of 1</b>
Issue Date	30-09-2023			
SRF No & Date	SRF/23/00548-0003 & 30-09-2023			
Receipt Date	30-09-2023			
Calibration Date	30-09-2023			
Calibration Due	29-09-2024			
<b>Customer Name &amp; Address</b>				
GOVERNMENT UPGRADED PRIMARY HEALTH CENTRE, OLAKKUR-604305,VILLUPURAM DISTRICT.				
<b>Details of Device Under Calibration (DUC)</b>				
Description	: SEMI AUTO ANALYZER	Make & Model	: ROBONIK & PRIETEST TOUCH	
Range	: MULTI	Sr. No	: ATCD2350321RBK	
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	<b>Insulation Resistance</b> >20MΩ	<b>Measured values in MΩ</b> 87	<b>Uncertainty in % ( ± )</b> 13.92
2	<b>Earth Leakage</b> <5000µAfor B,BF,CF	<b>Measured values in µA</b> 152	<b>Uncertainty in % ( ± )</b> 10.8
3	<b>Enclosure Leakage</b> <500µAfor B,BF,CF	<b>Measured values in µA</b> 216	<b>Uncertainty in % ( ± )</b> 8.8

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(Calibration Engineer)  
M.DINESH



  
Technical Manager  
(C.SHANMUGARAJ)

Chief Executive

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