

CALIBRATION CERTIFICATE

CERTIFICATE NO: SBS/CL/23/12471		MEDICAL DEVICES		Page No:1 of 1
Issue Date	30-09-2023			
SRF No & Date	SRF/23/00544-0001 & 29-09-2023			
Receipt Date	29-09-2023			
Calibration Date	29-09-2023			
Calibration Due	28-09-2024			
Customer Name & Address				
GOVERNMENT UPGRADE PRIMARY HEALTH CENTRE, KOMARALINGAM-642204.				
Details of Device Under Calibration (DUC)				
Description	SEMI AUTO ANALYZER	Make & Model	NA & PRIETEST TOUCH	
Range	MULTI	Sr. No	ATCD3100321RBK	
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 Resisitance	Measured values in MΩ	Uncertainty in % (±)
	>20MΩ	80	13.92
2	Earth Leakage	Measured values in μA	Uncertainty in % (±)
	<5000μAfor B,BF,CF	195	7.4
3	Enclosure Leakage	Measured values in μA	Uncertainty in % (±)
	<500μAfor B,BF,CF	219	7.2

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.
- The indicated uncertainties are expanded uncertainty estimated for a confidence level of approximately 95% for a coverage factor k=2.00 .
- Equipment used for Calibration were calibrated & traceable to National & International Standards.

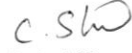
Calibrated By



(Calibration Engineer)
E.ESWAR



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/23/12473	MECHANICAL	Page No:1 of 1	
Issue Date	30-09-2023			
SRF No & Date	SRF/23/00544-0003 & 29-09-2023			
Receipt Date	29-09-2023			
Calibration Date	29-09-2023			
Calibration Due	28-09-2024			
Customer Name & Address				
GOVERNMENT UPGRADE PRIMARY HEALTH CENTRE, KOMARALINGAM-642204.				
Details of Device Under Calibration (DUC)				
Description	: CENTRIFUGE	Make & Model	: NA & BD-152	
Range	: 3500 RPM	Sr. No	: NA	
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	999.9	0.1	4.2
2	2000	1998	2	4.2
3	3000	2999	1	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)
 E.ESWAR



Authorised Signatory

Quality Manager
 (C.SIVABALAN)

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/23/12472		MEDICAL DEVICES		Page No:1 of 1
Issue Date	30-09-2023			
SRF No & Date	SRF/23/00544-0002 & 29-09-2023			
Receipt Date	29-09-2023			
Calibration Date	29-09-2023			
Calibration Due	28-09-2024			
Customer Name & Address				
GOVERNMENT UPGRADE PRIMARY HEALTH CENTRE, KOMARALINGAM-642204.				
Details of Device Under Calibration (DUC)				
Description	: ELECTRICAL SAFETY (MICROSCOPE)	Make & Model	: LABOMED & VISION 2008	
Range	: MULTI	Sr. No	: 221245973	
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

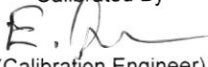
ELECTRICAL SAFETY

RESULTS

S.no	SPECIFICATION	MEASURED VALUES	EXPANDED UNCERTAINTY (±)
1	Insulation Resisitance >20MΩ	Measured values in MΩ 93	Uncertainty in % (±) 13.92
2	Earth Leakage <5000μAfor B,BF,CF	Measured values in μA 154	Uncertainty in % (±) 7.7
3	Enclosure Leakage <500μAfor B,BF,CF	Measured values in μA 209	Uncertainty in % (±) 7.3

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