



CALIBRATION CERTIFICATE

CERTIFICATE NO: SBS/CL/23/13984		MEDICAL DEVICES		Page No:1 of 1
Issue Date	11-10-2023			
SRF No & Date	SRF/23/00779-0003 & 10-10-2023			
Receipt Date	10-10-2023			
Calibration Date	10-10-2023			
Calibration Due	09-10-2024			
Customer Name & Address				
GOVERNMENT PRIMARY HEALTH CENTRE, CHITHARKOTTAI-623513, RAMANATHAPURAM DISTRICT.				
Details of Device Under Calibration (DUC)				
Description	: SEMI AUTO ANALYZER	Make & Model	: ALPHA TECHNOLOGIES & CHEM 100	
Range	: MULTI	Sr. No	: BCAA17062638	
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 >20MΩ	Measured values in MΩ 91	Uncertainty in % (±) 13.92
2	Earth Leakage <5000µAfor B,BF,CF	Measured values in µA 188	Uncertainty in % (±) 7.4
3	Enclosure Leakage <500µAfor B,BF,CF	Measured values in µA 237	Uncertainty in % (±) 7.2

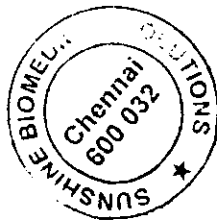
REMARKS

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

Authorised Signatory

E. Q
(Calibration Engineer)
E.ESWAR



CSH
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/23/13985	MECHANICAL	Page No:1 of 1
-----------------	-----------------	------------	----------------

Issue Date	11-10-2023
SRF No & Date	SRF/23/00779-0004 & 10-10-2023
Receipt Date	10-10-2023
Calibration Date	10-10-2023
Calibration Due	09-10-2024

Customer Name & Address
 GOVERNMENT PRIMARY HEALTH CENTRE,
 CHITHARKOTTAI-623513,RAMANATHAPURAM DISTRICT.

Details of Device Under Calibration (DUC)

Description	: CENTRIFUGE	Make & Model	: B.D INSTRUMENTATIONS & BDI-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: 25.3°C	Relative Humidity	55% 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

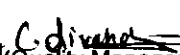
S.No	DEVICE UNDER CALIBRATION	STANDARD INSTRUMENTS	DEVIATION	EXPANDED UNCERTAINTY
	RPM	RPM	RPM	%
1	1000	999.2	0.8	4.2
2	2000	1999.7	0.3	4.2
3	3500	3499.6	0.4	4.2

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)
 E.ESWAR



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