SUNSHINE

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/ Sl 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	91	13.92
2	Earth Leakage	Measured values in µA	Uncertainty in % (±)
	<5000µAfor B,BF,CF	188	7.4
3	Enclosure Leakage	Measured values in µA	Uncertainty in % (±)
	<500µAfor B,BF,CF	237	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)
E.ESWAR

SUNSHINE BIOMEDICAL SOLUTIONS Chennai 600 032

Authorised Signatory

☐ Technical Manager
C.SHANMUGARAJ

☐ Chief Executive

SUNSHINE

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/ Sl 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

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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)
E.ESWAR

SUNSHINE BIOMEDICAL SOLUTIONS CHENNAI 600 032

Authorised Signatory

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