SUNSHINE

CALIBRATION CERTIFICATE

CERTIFICATE NO: SBS/CL/23/12879	MEDICAL DEVICES	Page No:1 of 1
Issue Date	06-10-2023	
SRF No & Date	SRF/23/00636-0001 & 05-10-2023	
Receipt Date	05-10-2023	
Calibration Date	05-10-2023	
Calibration Due	04-10-2024	

Customer Name & Address

GOVERNMENT UPGRADED PRIMARY HEALTH CENTRE,
ODAIPATTI-625540,THENI DISTRICT.

Details of Device Under Calibration (DUC)

Description	:	SEMI AUTO ANALYZER	Make & Model	:	ROBONIK & PRIETEST TOUCH
Range	:	MULTI	Sr. No	:	ATCD3611220RBK
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	idity
1	Electrical Safety Analyser	Rigel Medical & 44L-1059	M-230809-16-4	08-2024

ELECTRICAL SAFETY

RESULTS

S.no	SPECIFICATION	MEASURED VALUES	EXPANDED UNCERTAINTY
1	Insulation Resisitance	Measured values in MΩ	Uncertainty in % (±)
	>20MΩ	87	13.92
2	Earth Leakage	Measured values in µA	Uncertainty in % (±)
	<5000µAfor B,BF,CF	195	9.3
3	Enclosure Leakage	Measured values in µA	Uncertainty in % (±)
	<500µAfor B,BF,CF	241	8.4

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

SUNSHINE BIOMEDICAL SOLUTIONS Chennai 600 032

Authorised Signatory

Technical Manager
(C.SHANMUGARAJ)

Chief Executive

SUNSHINE

CALIBRATION CERTIFICATE

CERTIFICATE NO:	SBS/CL/23/12880	MECHANICAL	Page No:1 of 1

Issue Date	06-10-2023
SRF No & Date	SRF/23/00636-0002 & 05-10-2023
Receipt Date	05-10-2023
Calibration Date	05-10-2023
Calibration Due	04-10-2024

Customer Name & Address

GOVERNMENT UPGRADED PRIMARY HEALTH CENTRE,
ODAIPATTI-625540,THENI DISTRICT.

Details of Device Under Calibration (DUC)

Description	:	CENTRIFUGE	Make & Model	:	LAB & R8C WITH R-81
Range	:	3500 RPM	Sr. No	:	ZHBND5699
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/ 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	999.0	1.0	4.2
2	2000	1999.6	0.4	4.2
3	3500	3499.5	0.5	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)
P.PRASANNA

SUNSHINE BIOMEDICAL SOLUTIONS Chennai 600 032

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

SUNSHINE

CALIBRATION CERTIFICATE

CERTIFICATE NO:	SBS/CL/23/12881	THERMAL	Page No:1 of 1

Issue Date	06-10-2023
SRF No & Date	SRF/23/00636-0003 & 05-10-2023
Receipt Date	05-10-2023
Calibration Date	05-10-2023
Calibration Due	04-10-2024

Customer Name & Address

GOVERNMENT UPGRADED PRIMARY HEALTH CENTRE,
ODAIPATTI-625540,THENI DISTRICT.

Details of Device Under Calibration (DUC)

Description	:	TEMPERATURE INDICATOR WITH SENSOR OF (DOMESTIC REFRIGERATOR)	Make & Model	:	NA & NA
Range	:	2-8 °C	Sr. No	:	NA
Resolution	:	0.1 °C	Identification No	:	NA
DUC Condition	:	Satisfactory	Location	:	LABORATORY

Environmental Conditions & Calibration Procedure Details

Environmental Details	Temperature: 25.3°C	Relative Humidity	54% Rh
Calibration Procedure No	SBS/CP/TH/04	Calibration done at	ONSITE

Reference Standards Details

S.No	Description	Make/ Sl No:	Certificate No	Validity
1	RTD Sensor with paperless Recorder	Tempsens & Tempsens / TD09200218	TMS/22/62 01	10-11-2023

CALIBRATION RESULTS

S.No.	DEVICE UNDER CALIBRATION READINGS	STANDARD INSTRUMENTS READINGS	DEVIATION	EXPANDED UNCERTAINTY (±)
	°C	°C	°C	°C
1	2.0	1.8	0.2	0.62
2	4.0	3.7	0.3	0.62
3	8.0	7.7	0.3	0.62

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
7. Temperature Scale:International Temperature Scale,1990(ITS-90)

Calibrated By

(Calibration Engineer)
P.PRASANNA

SUNSHINE BIOMEDICAL SOLUTIONS Chennai 600 032

Authorised Signatory

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