



CALIBRATION CERTIFICATE

CERTIFICATE NO: SBS/CL/23/14628	MEDICAL DEVICES	Page No:1 of 1
Issue Date	14-10-2023	
SRF No & Date	SRF/23/00886-0001 & 13-10-2023	
Receipt Date	13-10-2023	
Calibration Date	13-10-2023	
Calibration Due	12-10-2024	

Customer Name & Address

GOVERNMENT PRIMARY HEALTH CENTRE,
RAYAKOTTAL-635116, KRISHNAGIRI DISTRICT.

Details of Device Under Calibration (DUC)

Description : SEMI AUTO ANALYZER	Make & Model : ROBONIK & PRIETEST TOUCH
Range : MULTI	Sr. No : ATCD3670321RBK
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

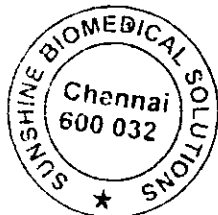
S.no	SPECIFICATION	MEASURED VALUES	EXPANDED UNCERTAINTY (±)
1	Insulation Resistance >20MΩ	Measured values in MΩ 89	Uncertainty in % (±) 13.92
2	Earth Leakage <5000µA for B,BF,CF	Measured values in µA 146	Uncertainty in % (±) 7.9
3	Enclosure Leakage <500µA for B,BF,CF	Measured values in µA 223	Uncertainty in % (±) 7.3

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


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/23/14629	MECHANICAL	Page No:1 of 1	
Issue Date	14-10-2023			
SRF No & Date	SRF/23/00886-0002 & 13-10-2023			
Receipt Date	13-10-2023			
Calibration Date	13-10-2023			
Calibration Due	12-10-2024			
Customer Name & Address				
GOVERNMENT PRIMARY HEALTH CENTRE, RAYAKOTTAI-635116, KRISHNAGIRI DISTRICT.				
Details of Device Under Calibration (DUC)				
Description	: CENTRIFUGE	Make & Model	: B.D INSTRUMENTS & 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: 25.4°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	LINE SEIKI / 175-0034V	JRPM-CCTR-A&S-2023-0013	09-06-2024

CALIBRATION RESULTS

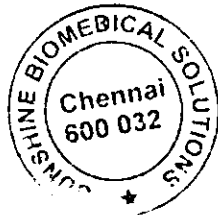
S.No	DEVICE UNDER CALIBRATION	STANDARD INSTRUMENTS	DEVIATION	EXPANDED UNCERTAINTY
	RPM	RPM	RPM	%
1	1000	998.6	1.4	4.2
2	2000	1998.6	1.4	4.2
3	3000	2998.7	1.3	4.2

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

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/23/14630	MEDICAL DEVICES	Page No:1 of 1
Issue Date	14-10-2023	
SRF No & Date	SRF/23/00886-0003 & 13-10-2023	
Receipt Date	13-10-2023	
Calibration Date	13-10-2023	
Calibration Due	12-10-2024	

Customer Name & Address

GOVERNMENT PRIMARY HEALTH CENTRE,
RAYAKOTTAI-635116, KRISHNAGIRI DISTRICT.

Details of Device Under Calibration (DUC)

Description : ELECTRICAL SAFETY(MICROSCOPE)	Make & Model : LABOMED & CXL PLUS
Range : MULTI	Sr. No : NA
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 Resistance >20MΩ	Measured values in MΩ 80	Uncertainty in % (±) 13.92
2	Earth Leakage <5000µAfor B,BF,CF	Measured values in µA 155	Uncertainty in % (±) 7.8
3	Enclosure Leakage <500µAfor B,BF,CF	Measured values in µA 204	Uncertainty in % (±) 7.3

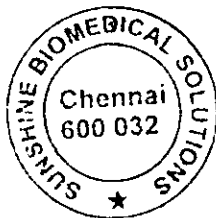
REMARKS

- 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)
E.ESWAR




 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/23/14631

Page No: 1 of 1

Customer Name & Address

GOVERNMENT PRIMARY HEALTH CENTRE, RAYAKOTTAI-635116, KRISHNAGIRI DISTRICT.	SRF No.	SRF/23/00886-0004
	SRF Date	13-10-2023
	Date of Receipt	12-10-2023
	Date of Calibration	13-10-2023
	Due Date for Calibration	12-10-2024
	Issue Date	14-10-2023

Details of Unit Under Calibration

Description	Micro Pipette	Make	NA
Range	10-100µl	Model	NA
Resolution	0.2µl	Material	PVC
Serial Number	NA	Operating Range	10-100µl
ID Number	NA	Condition of UUC	Good
Cal. At	Mechanical Lab	Instrument Location	LABORATORY

Environmental Condition				Calibration Method Used	
Temperature (°C)	23.8	Humidity (%RH)	53	National / International Standard	ISO 8655-6:2002
Atmospheric Pressure (mbar)	1006	Water Temperature (°C)	21.6	Cal Procedure No	SBS/CP/ML/08

Standard Used

SI. No.	Description	ID.No. / SI. No.	Certificate No.	Make/Model	Traceability	Valid till
1	Electronic Weighing Balance	15112918	TVCSPL22/12/2115-01	A&D & GH-252	National Standards	09-12-2023

Z Factor: 1.00319

Result of Calibration in µl										
Sl. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)
1	10.0	9.90	9.92	9.88	9.91	9.92	9.91	-0.09	0.01	0.47
		9.91	9.92	9.93	9.92	9.90				
2	50.0	49.78	49.76	49.74	49.72	49.74	49.74	-0.26	0.02	0.47
		49.76	49.75	49.73	49.72	49.71				
3	100.0	98.92	98.94	98.94	98.96	98.92	98.93	-1.07	0.02	0.47
		98.91	98.93	98.94	98.92	98.91				

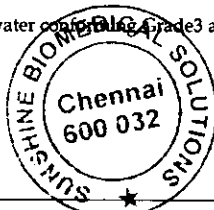
Remarks

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. Equipment used for Calibration were calibrated & traceable to National & International Standards
6. The indicated uncertainties are expanded uncertainty estimated for a confidence level of approximately 95% for a coverage factor k=2.00 .
7. Calibration Liquid Used: Distilled or Deionized water conforming to grade 3 as specified in ISO 3696.

Calibrated By,

M. Adhikari
(Calibration Engineer)

MADHIBAN



Authorised by:

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

SUNSHINE BIOMEDICAL SOLUTIONS

No:68, First Floor, Poomagai 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/23/14632

Page No: 1 of 1

Customer Name & Address

GOVERNMENT PRIMARY HEALTH CENTRE, RAYAKOTTAI-635116, KRISHNAGIRI DISTRICT.	SRF No.	SRF/23/00886-0005
	SRF Date	13-10-2023
	Date of Receipt	12-10-2023
	Date of Calibration	13-10-2023
	Due Date for Calibration	12-10-2024
	Issue Date	14-10-2023

Details of Unit Under Calibration

Description	Micro Pipette	Make	NA
Range	100-1000µl	Model	NA
Resolution	1µl	Material	PVC
Serial Number	NA	Operating Range	100-1000µl
ID Number	NA	Condition of UUC	Good
Cal. At	Mechanical Lab	Instrument Location	LABORATORY

Environmental Condition				Calibration Method Used	
Temperature (°C)	23.8	Humidity (%RH)	53	National / International Standard	ISO 8655-6:2002
Atmospheric Pressure (mbar)	1006	Water Temperature (°C)	21.6	Cal Procedure No	SBS/CP/ML/08

Standard Used

Sl. No.	Description	ID.No. / Sl. No.	Certificate No.	Make/Model	Traceability	Valid till
1	Electronic Weighing Balance	15112918	TVCSPL22/12/2115-01	A&D & GH-252	National Standards	09-12-2023

Z Factor: 1.00319

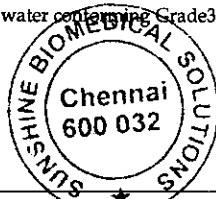
Result of Calibration in µl										
Sl. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)
1	100	100.10	100.12	100.14	100.16	100.14	100.14	0.14	0.02	0.47
		100.14	100.14	100.16	100.14	100.12				
2	500	500.31	500.32	500.34	500.36	500.34	500.34	0.34	0.02	0.47
		500.32	500.34	500.36	500.34	500.34				
3	1000	1001.20	1001.22	1001.23	1001.24	1001.25	1001.25	1.25	0.03	0.47
		1001.26	1001.25	1001.27	1001.28	1001.29				

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. Equipment used for Calibration were calibrated & traceable to National & International Standards
6. The indicated uncertainties are expanded uncertainty estimated for a confidence level of approximately 95% for a coverage factor k=2.00.
7. Calibration Liquid Used: Distilled or Deionized water conforming to Type Grade3 as specified in ISO 3696.

Calibrated By,


 (Calibration Engineer)
 MADHIBAN



Authorised by:


 (Quality Manager/Chief Executive)
 C.SIVABALAN

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.