



CALIBRATION CERTIFICATE

CERTIFICATE NO: SBS/CL/23/14908	MEDICAL DEVICES	Page No:1 of 1
Issue Date	17-10-2023	
SRF No & Date	SRF/23/00910-0001 & 16-10-2023	
Receipt Date	16-10-2023	
Calibration Date	16-10-2023	
Calibration Due	15-10-2024	

Customer Name & Address
 GOVERNMENT PRIMARY HEALTH CENTRE,
 S.MUTHUGANAPALLI-635110,KRISHNAGIRI DISTRICT.

Details of Device Under Calibration (DUC)

Description : CENTRIFUGE	Make & Model : MICROSIL & NA
Range : 3500 RPM	Sr. No : 149/385
Resolution : 10 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/ SI No:	Certificate No	Validity
1	Digital Tachometer	LINE SEIKI / 175-0034V	JRPM-CCTR-A&S-2023-0013	09-06-2024

CALIBRATION RESULTS

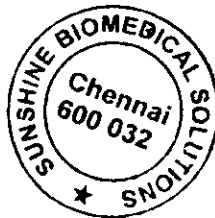
S.No	DEVICE UNDER CALIBRATION	STANDARD INSTRUMENTS	DEVIATION	EXPANDED UNCERTAINTY
	RPM	RPM	RPM	%
1	1000	999.0	1.0	4.2
2	1500	1499.5	0.5	4.2
3	3000	2999.5	0.5	4.2

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

KSPY
 (Calibration Engineer)
 K.SATHYAMOORTHY



Authorised Signatory

C. Sivabalan
 (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.



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CERTIFICATE NO: SBS/CL/23/14909	MEDICAL DEVICES	Page No:1 of 1
Issue Date	17-10-2023	
SRF No & Date	SRF/23/00910-0002 & 16-10-2023	
Receipt Date	16-10-2023	
Calibration Date	16-10-2023	
Calibration Due	15-10-2024	

Customer Name & Address

GOVERNMENT PRIMARY HEALTH CENTRE,
S.MUTHUGANAPALLI-635110, KRISHNAGIRI DISTRICT.

Details of Device Under Calibration (DUC)

Description : ELECTRICAL SAFETY(MICROSCOPE)	Make & Model : LABOMED & NA
Range : MULTI	Sr. No : 150580748
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 92	Uncertainty in % (±) 13.92
2	Earth Leakage <5000µAfor B,BF,CF	Measured values in µA 161	Uncertainty in % (±) 10.4
3	Enclosure Leakage <500µAfor B,BF,CF	Measured values in µA 216	Uncertainty in % (±) 8.8

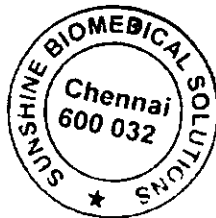
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6. Equipment used for Calibration were calibrated & traceable to National & International Standards.

Calibrated By

Authorised Signatory


(Calibration Engineer)
K.SATHYAMOORTHY




 Technical Manager
(C.SHANMUGARAJ)

Chief Executive

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CALIBRATION CERTIFICATE

CERTIFICATE NO: SBS/CL/23/14910		MEDICAL DEVICES		Page No:1 of 1
Issue Date	17-10-2023			
SRF No & Date	SRF/23/00910-0003 & 16-10-2023			
Receipt Date	16-10-2023			
Calibration Date	16-10-2023			
Calibration Due	15-10-2024			
Customer Name & Address				
GOVERNMENT PRIMARY HEALTH CENTRE, S.MUTHUGANAPALLI-635110,KRISHNAGIRI DISTRICT.				
Details of Device Under Calibration (DUC)				
Description	SEMI AUTO ANALYZER	Make & Model	ROBONIK & PRIETEST TOUCH	
Range	MULTI	Sr. No	ATCD3480321RBK	
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

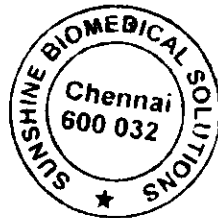
S.no	SPECIFICATION	MEASURED VALUES	EXPANDED UNCERTAINTY (\pm)
1	Insulation Resistance	Measured values in M Ω	Uncertainty in % (\pm)
	>20M Ω	87	13.92
2	Earth Leakage	Measured values in μ A	Uncertainty in % (\pm)
	<5000 μ Afor B,BF,CF	195	9.3
3	Enclosure Leakage	Measured values in μ A	Uncertainty in % (\pm)
	<500 μ Afor B,BF,CF	241	8.4

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(Calibration Engineer)
K.SATHYAMOORTHY



Authorised Signatory


 Technical Manager
(C.SHANMUGARAJ)

Chief Executive

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CALIBRATION CERTIFICATE

Certificate No: SBS/CL/23/14911

Page No: 1 of 1

Customer Name & Address

GOVERNMENT PRIMARY HEALTH CENTRE, S.MUTHUGANAPALLI-635110, KRISHNAGIRI DISTRICT.	SRF No.	SRF/23/00910-0004
	SRF Date	16-10-2023
	Date of Receipt	15-10-2023
	Date of Calibration	16-10-2023
	Due Date for Calibration	15-10-2024
	Issue Date	17-10-2023

Details of Unit Under Calibration

Description	MICRO PIPETTE	Make	THERMO SCIENTIFIC
Range	100-1000µl	Model	FINNPIPETTE F3
Resolution	1µl	Material	PVC
Serial Number	RW12977	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)	23.9	Humidity (%RH)	55	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

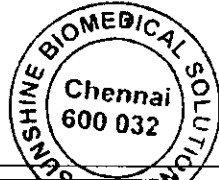
Result of Calibration in µl										
Sl. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)
1	100	99.85	99.87	99.85	99.84	99.95	99.89	-0.11	0.04	0.47
		99.89	99.95	99.90	99.87	99.90				
2	500	499.90	499.95	499.90	499.90	499.95	499.90	-0.10	0.03	0.47
		499.89	499.88	499.85	499.85	499.90				
3	1000	999.89	999.88	999.89	999.87	999.90	999.91	-0.09	0.03	0.47
		999.93	999.90	999.91	999.94	999.95				

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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 Grade3 as specified in ISO 3696.

Calibrated By,

(Calibration Engineer)
 M.RAGUL



Authorised by:

(Quality Manager, Chief Executive)
 C.SIVABALAN

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CALIBRATION CERTIFICATE

Certificate No: SBS/CL/23/14912

Page No: 1 of 1

Customer Name & Address

GOVERNMENT PRIMARY HEALTH CENTRE, S.MUTHUGANAPALLI-635110, KRISHNAGIRI DISTRICT.	SRF No.	SRF/23/00910-0005
	SRF Date	16-10-2023
	Date of Receipt	15-10-2023
	Date of Calibration	16-10-2023
	Due Date for Calibration	15-10-2024
	Issue Date	17-10-2023

Details of Unit Under Calibration

Description	Micro Pipette	Make	THERMO SCIENTIFIC
Range	20-200µl	Model	FINNPIPETTE F3
Resolution	1µl	Material	PVC
Serial Number	RW10075	Operating Range	20-200µl
ID Number	NA	Condition of UUC	Good
Cal. At	Mechanical Lab	Instrument Location	LABORATORY

Environmental Condition				Calibration Method Used	
Temperature (°C)	23.9	Humidity (%RH)	55	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. / SI. No.	Certificate No.	Make/Model	Traceability	Valid till
1	Electronic Weighing Balance	15112918	TVCSP22/12/2115-01	A&D & GH-252	National Standards	09-12-2023

Z Factor: 1.00319

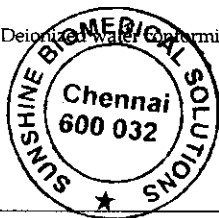
Result of Calibration in µl										
Sl. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)
1	20	19.86	19.84	19.86	19.87	19.88	19.87	-0.13	0.02	0.47
		19.89	19.87	19.88	19.85	19.86				
2	100	99.89	99.88	99.87	99.85	99.86	99.86	-0.14	0.02	0.47
		99.84	99.86	99.85	99.82	99.85				
3	200	199.86	199.87	199.87	199.85	199.83	199.86	-0.14	0.01	0.47
		199.87	199.85	199.87	199.86	199.87				

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