



CALIBRATION CERTIFICATE

CERTIFICATE NO: SBS/CL/23/16876	MEDICAL DEVICES	Page No:1 of 1
Issue Date	28-10-2023	
SRF No & Date	SRF/23/00987-0001 & 28-10-2023	
Receipt Date	28-10-2023	
Calibration Date	28-10-2023	
Calibration Due	27-10-2024	

Customer Name & Address

GOVERNMENT URBAN PRIMARY HEALTH CENTRE,
MOOKANDAPALLI-635126, KRISHNAGIRI DISTRICT.

Details of Device Under Calibration (DUC)

Description	: SEMI AUTO ANALYZER	Make & Model	: ROBONIK & PRIETEST TOUCH
Range	: MULTI	Sr. No	: ATCD3610321RBK
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	Measured values in MΩ	Uncertainty in % (±)
	>20MΩ	97	13.92
2	Earth Leakage	Measured values in µA	Uncertainty in % (±)
	<5000µAfor B,BF,CF	125	8.0
3	Enclosure Leakage	Measured values in µA	Uncertainty in % (±)
	<500µAfor B,BF,CF	235	7.2

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)
M.DINESH



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/23/16877	MECHANICAL	Page No:1 of 1	
Issue Date	28-10-2023			
SRF No & Date	SRF/23/00987-0002 & 28-10-2023			
Receipt Date	28-10-2023			
Calibration Date	28-10-2023			
Calibration Due	27-10-2024			
Customer Name & Address				
GOVERNMENT URBAN PRIMARY HEALTH CENTRE, MOOKANDAPALLI-635126, KRISHNAGIRI DISTRICT.				
Details of Device Under Calibration (DUC)				
Description	: CENTRIFUGE	Make & Model	: LABOTECH & BDI-154	
Range	: 3500 RPM	Sr. No	: 20230413	
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	999.9	0.1	4.2
2	2000	1999.8	0.2	4.2
3	3000	2999.8	0.2	4.2

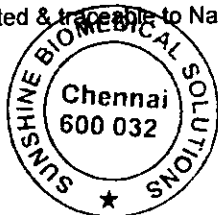
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Calibrated By


(Calibration Engineer)

M.DINESH



Authorised Signatory

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

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CALIBRATION CERTIFICATE

CERTIFICATE NO: SBS/CL/23/16878		MEDICAL DEVICES		Page No:1 of 1
Issue Date	28-10-2023			
SRF No & Date	SRF/23/00987-0003 & 28-10-2023			
Receipt Date	28-10-2023			
Calibration Date	28-10-2023			
Calibration Due	27-10-2024			
Customer Name & Address				
GOVERNMENT URBAN PRIMARY HEALTH CENTRE, MOOKANDAPALLI-635126, KRISHNAGIRI DISTRICT.				
Details of Device Under Calibration (DUC)				
Description	ELECTRICAL SAFETY (MICROSCOPE)	Make & Model	OLYMPUS OPTICAL & NA	
Range	MULTI	Sr. No	5M0022	
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

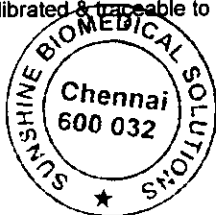
S.no	SPECIFICATION	MEASURED VALUES	EXPANDED UNCERTAINTY (±)
1	Insulation Resistance	Measured values in MΩ	Uncertainty in % (±)
	>20MΩ	81	13.92
2	Earth Leakage	Measured values in μA	Uncertainty in % (±)
	<5000μA for B, BF, CF	175	9.9
3	Enclosure Leakage	Measured values in μA	Uncertainty in % (±)
	<500μA for B, BF, CF	226	8.6

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

Calibrated By


(Calibration Engineer)
M. DINESH



Authorised Signatory

Technical Manager
C. SHANMUGARAJ

Chief Executive

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CALIBRATION CERTIFICATE

CERTIFICATE NO: SBS/CL/23/16879		MEDICAL DEVICES		Page No:1 of 1	
Issue Date	28-10-2023				
SRF No & Date	SRF/23/00987-0004 & 28-10-2023				
Receipt Date	28-10-2023				
Calibration Date	28-10-2023				
Calibration Due	27-10-2024				
Customer Name & Address					
GOVERNMENT URBAN PRIMARY HEALTH CENTRE, MOOKANDAPALLI-635126, KRISHNAGIRI DISTRICT.					
Details of Device Under Calibration (DUC)					
Description	ELECTRICAL SAFETY (CELL COUNTER)	Make & Model	SYSMEX CORPORATION & NA		
Range	MULTI	Sr. No	B5778		
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 97	Uncertainty in % (±) 13.92
2	Earth Leakage <5000µA for B, BF, CF	Measured values in µA 125	Uncertainty in % (±) 12.3
3	Enclosure Leakage <500µA for B, BF, CF	Measured values in µA 229	Uncertainty in % (±) 8.6

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(Calibration Engineer)
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CALIBRATION CERTIFICATE

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Certificate No: SBS/CL/23/16880

Customer Name & Address

GOVERNMENT URBAN PRIMARY HEALTH CENTRE,
MOOKANDAPALLI-635126, KRISHNAGIRI DISTRICT.

SRF No.	SRF/23/00987-0005
SRF Date	27-10-2023
Date of Receipt	26-10-2023
Date of Calibration	27-10-2023
Due Date for Calibration	27-10-2024
Issue Date	28-10-2023

Details of Unit Under Calibration

Description	MICRO PIPETTE	Make	I-PETTE
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)	23.9	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	100	99.85	99.86	99.87	99.85	99.84	99.84	-0.16	0.02	0.47
		99.83	99.82	99.85	99.81	99.82				
2	500	499.88	499.87	499.86	499.85	499.84	499.85	-0.15	0.02	0.47
		499.85	499.87	499.85	499.84	499.83				
3	1000	999.95	999.97	999.95	999.94	999.93	999.94	-0.06	0.02	0.47
		999.92	999.91	999.93	999.94	999.95				

Remarks

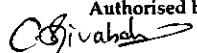
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- The recalibration interval should be determined on the user requirement.
- The results stated in this certificate relate only to the item calibrated.
- Equipment used for Calibration were calibrated & traceable to National & International Standards
- The indicated uncertainties are expanded uncertainty estimated at a confidence level of approximately 95% for a coverage factor k=2.00.
- Calibration Liquid Used: Distilled or Deionized water conforming Grade 3 as specified in ISO 3696.

Calibrated By,


(Calibration Engineer)
M.RAGUL



Authorised by:


(Quality Manager/Chief Executive)
C.SIVABALAN

SUNSHINE BIOMEDICAL SOLUTIONS

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CALIBRATION CERTIFICATE

Certificate No: SBS/CL/23/16881

Page No: 1 of 1

Customer Name & Address

GOVERNMENT URBAN PRIMARY HEALTH CENTRE, MOOKANDAPALLI-635126, KRISHNAGIRI DISTRICT.	SRF No.	SRF/23/00987-0006
	SRF Date	27-10-2023
	Date of Receipt	26-10-2023
	Date of Calibration	27-10-2023
	Due Date for Calibration	27-10-2024
	Issue Date	28-10-2023

Details of Unit Under Calibration

Description	MICRO PIPETTE	Make	I-PETTE
Range	10-100µl	Model	NA
Resolution	1µl	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)	23.7	Humidity (%RH)	54	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

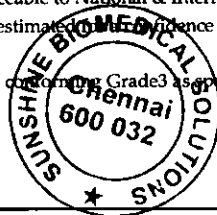
Result of Calibration in µl										
Sl. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)
1	10	9.91	9.93	9.92	9.94	9.96	9.94	-0.06	0.02	0.47
		9.94	9.95	9.93	9.95	9.95				
2	50	49.96	49.98	49.97	49.96	49.98	49.97	-0.03	0.01	0.47
		49.95	49.96	49.97	49.98	49.99				
3	100	99.98	99.97	99.96	99.98	99.98	99.97	-0.03	0.02	0.47
		99.98	99.94	99.95	99.96	99.95				

Remarks

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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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