



CALIBRATION CERTIFICATE

CERTIFICATE NO: SBS/CL/23/13905	MEDICAL DEVICES	Page No:1 of 1
Issue Date	09-10-2023	
SRF No & Date	SRF/23/00836-0001 & 09-10-2023	
Receipt Date	09-10-2023	
Calibration Date	09-10-2023	
Calibration Due	08-10-2024	

Customer Name & Address
GOVERNMENT PRIMARY HEALTH CENTRE,
KONERIRAJAPURAM-612201, MAYILADUTHURAI DISTRICT.

Details of Device Under Calibration (DUC)			
Description	SEMI AUTO ANALYZER	Make & Model	ROBONIK & PRIETEST TOUCH
Range	MULTI	Sr. No	ATCD3890413RBK
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

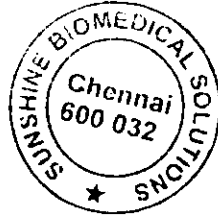
S.no	SPECIFICATION	MEASURED VALUES	EXPANDED UNCERTAINTY (±)
1	Insulation Resisitance >20MΩ	Measured values in MΩ 100	Uncertainty in % (±) 13.92
2	Earth Leakage <5000µAfor B,BF,CF	Measured values in µA 194	Uncertainty in % (±) 7.4
3	Enclosure Leakage <500µAfor B,BF,CF	Measured values in µA 225	Uncertainty 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)
M.DINESH




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/23/13906	MECHANICAL	Page No:1 of 1	
Issue Date	09-10-2023			
SRF No & Date	SRF/23/00836-0002 & 09-10-2023			
Receipt Date	09-10-2023			
Calibration Date	09-10-2023			
Calibration Due	08-10-2024			
Customer Name & Address				
GOVERNMENT PRIMARY HEALTH CENTRE, KONERIRAJAPURAM-612201,MAYILADUTHURAI DISTRICT.				
Details of Device Under Calibration (DUC)				
Description	CENTRIFUGE	Make & Model	EITEK & 354	
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/ SI No:	Certificate No	Validity
1	Digital Tachometer	LINE SEIKI / 175-0034V	JRPM-CCTR-A&S-2023-0013	09-06-2024

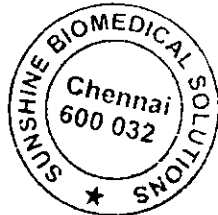
CALIBRATION RESULTS


S.No	DEVICE UNDER CALIBRATION	STANDARD INSTRUMENTS	DEVIATION	EXPANDED UNCERTAINTY
	RPM	RPM	RPM	%
1	1000	999.1	0.9	4.2
2	1500	1498.9	1.1	4.2
3	2000	1999.5	0.5	4.2

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- 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

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

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CALIBRATION CERTIFICATE

CERTIFICATE NO: SBS/CL/23/13907	MEDICAL DEVICES	Page No:1 of 1
Issue Date	09-10-2023	
SRF No & Date	SRF/23/00836-0003 & 09-10-2023	
Receipt Date	09-10-2023	
Calibration Date	09-10-2023	
Calibration Due	08-10-2024	

Customer Name & Address

GOVERNMENT PRIMARY HEALTH CENTRE,
KONERIRAJAPURAM-612201, MAYILADUTHURAI DISTRICT.

Details of Device Under Calibration (DUC)

Description	ELECTRICAL SAFETY(MICROSCOPE)	Make & Model	LABOMED & NA
Range	MULTI	Sr. No	130862418
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 Resitance >20MΩ	Measured values in MΩ 70	Uncertainty in % (±) 13.92
2	Earth Leakage <5000µAfor B,BF,CF	Measured values in µA 153	Uncertainty in % (±) 7.8
3	Enclosure Leakage <500µAfor B,BF,CF	Measured values in µA 203	Uncertainty in % (±) 7.4

REMARKS

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- 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

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CALIBRATION CERTIFICATE

Certificate No: SBS/CL/23/13908

Page No : 1 of 1

Customer Name & Address

GOVERNMENT PRIMARY HEALTH CENTRE, KONERIRAJAPURAM-612201, MAYILADUTHURAI DISTRICT.	SRF No.	SRF/23/00836-0004
	SRF Date	09-10-2023
	Date of Receipt	07-10-2023
	Date of Calibration	09-10-2023
	Due Date for Calibration	08-10-2024
	Issue Date	09-10-2023

Details of Unit Under Calibration

Description	Micro Pipette	Make	THE PIPETTE MANN
Range	100-1000µl	Model	NA
Resolution	10µl	Material	PVC
Serial Number	061387739	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

SI. No.	Description	ID.No. / SI. No.	Certificate No.	Make/Model	Traceability	Valid till
1	Electronic Weighing Balance	15112918	TVCSP/22/12/2115-01	A&D & GH-252	National Standards	09-12-2023

Z Factor: 1.00319

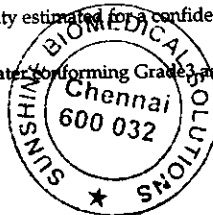
Result of Calibration in µl										
SI. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)
1	100	99.86	99.87	99.88	99.87	99.86	99.87	-0.13	0.01	0.47
		99.87	99.88	99.87	99.86	99.87				
2	500	499.87	499.88	499.86	499.87	499.87	499.86	-0.14	0.01	0.47
		499.86	499.86	499.85	499.86	499.86				
3	1000	998.76	998.77	998.76	998.74	998.72	998.75	-1.25	0.02	0.47
		998.77	998.76	998.77	998.72	998.72				

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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 Grade 3, as specified in ISO 3696.

Calibrated By,

(Calibration Engineer)
 MADHIBAN



Authorised by:

(Quality Manager/Chief Executive)
 C.SIVABALAN

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CALIBRATION CERTIFICATE

Certificate No: SBS/CL/23/13909

Page No : 1 of 1

Customer Name & Address

GOVERNMENT PRIMARY HEALTH CENTRE, KONERIRAJAPURAM-612201, MAYILADUTHURAI DISTRICT.	SRF No.	SRF/23/00836-0005
	SRF Date	09-10-2023
	Date of Receipt	07-10-2023
	Date of Calibration	09-10-2023
	Due Date for Calibration	08-10-2024
	Issue Date	09-10-2023

Details of Unit Under Calibration

Description	Micro Pipette	Make	ERBA BIOHIT
Range	10-100µl	Model	NA
Resolution	1µl	Material	PVC
Serial Number	7066718	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)	23.9	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

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

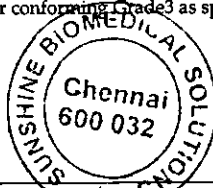
Result of Calibration in µl										
Sl. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)
1	10	9.90	9.92	9.88	9.91	9.92	9.91	-0.09	0.01	0.47
		9.91	9.92	9.93	9.92	9.90				
2	50	49.78	49.76	49.74	49.72	49.74	49.74	-0.26	0.02	0.47
		49.76	49.75	49.73	49.72	49.71				
3	100	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


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Calibrated By,


 (Calibration Engineer)
M.ADHIBAN



Authorised by:


 (Quality Manager/Chief Executive)
C.SIVABALAN

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