



CALIBRATION CERTIFICATE

CERTIFICATE NO:	SBS/CL/22/15279	MECHANICAL	Page No:1 of 1
Issue Date	30-12-2022		
SRF No & Date	SRF/22/00353-0001 & 30-12-2022		
Receipt Date	30-12-2022		
Calibration Date	30-12-2022		
Calibration Due	29-12-2023		

Customer Name & Address

GOVERNMENT PRIMARY HEALTH CENTRE PERUMUCHI,
ARAKKONAM-631002,RANIPET DISTRICT.

Details of Device Under Calibration (DUC)

Description	: CENTRIFUGE	Make & Model	: GL MAX &
Range	: 3500 RPM	Sr. No	:
Least Count	: 10 RPM	Identification No	:
DUC Condition	: Satisfactory	Location	: LABORATORY

Environmental Conditions & Standard Operating Procedure Details

Environmental Details	Temperature: 25.3 °C	Relative Humidity	45 % 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	TMS/22/63 01	10-11-2023


CALIBRATION RESULTS

S.No	DEVICE UNDER CALIBRATION	STANDARD INSTRUMENTS	DEVIATION	EXPANDED UNCERTAINTY (±)
	RPM	RPM	RPM	%
1	100	100.2	0.2	10
2	2500	2499.1	-0.9	10
3	3500	3499.5	-0.5	10

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)
M.BALAJI



Authorised Signatory

Quality Manager
(D.VETRI SELVI)

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/22-15280	MEDICAL DEVICES	Page No: 1 of 1
Issue Date	30-12-2022	
SRF No & Date	SRF/22/00353-0002 & 30-12-2022	
Receipt Date	30-12-2022	
Calibration Date	30-12-2022	
Calibration Due	29-12-2023	

Customer Name & Address

GOVERNMENT PRIMARY HEALTH CENTRE PERUMUCHI,
 ARAKKONAM-631002,RANIPET DISTRICT.

Details of Device Under Calibration (DUC)

Description : ELECTRICAL SAFETY(MICROSCOPE)	Make & Model : LABOMED & CXL PLUS
Range :	Sr. No : 130661105
Resolution :	Identification No :
DUC Condition : SATISFACTORY	Location : LABORATORY

Environmental Conditions & Calibration Procedure Details

Environmental Details	Temperature: 25.4° C	Relative Humidity	51% 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	TSC/22-23/7400-3	10-08-2023

ELECTRICAL SAFETY


RESULTS

S.no	SPECIFICATION	MEASURED VALUES	EXPANDED UNCERTAINTY (±)
1	Insulation Resitance	Measured values in MΩ	Uncertainty in % (±)
	>20MΩ	100.4	13.92
2	Earth Leakage	Measured values in µA	Uncertainty in % (±)
	<5000µAfor B,BF,CF	204	6.5
3	Enclosure Leakage	Measured values in µA	Uncertainty in % (±)
	<500µAfor B,BF,CF	236	6.7

REMARKS

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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. BALAJI



Authorised Signatory


 Quality Manager
 (D.VETRI SELVI)

Chief Executive



CALIBRATION CERTIFICATE

Certificate No: SBS/CL/22/15281

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Customer Name & Address

GOVERNMENT PRIMARY HEALTH CENTRE PERUMUCHI, ARAKKONAM-631002,RANIPET DISTRICT.	SRF No.	SRF/22/00353-0003
	SRF Date	30-12-2022
	Date of Receipt	30-12-2022
	Date of Calibration	30-12-2022
	Due Date for Calibration	29-12-2023
	Issue Date	30-12-2022

Details of Unit Under Calibration

Description	Micro Pipette	Make	MICROLUX
Range	5-50µl	Model	
Resolution	1µl	Material	PVC
Serial Number		Operating Range	
ID Number		Condition of UUC	Good
Cal. At	Mechanical Lab	Instrument Location	LABORATORY

Environmental Condition				Calibration Method Used	
Temperature (°C)	23.2	Humidity (%RH)	52	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 Semi Micro 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	10	9.95	9.96	9.95	9.96	9.96	9.95	-0.05	0.01	0.47	
		9.94	9.95	9.93	9.93	9.94					
2	25	24.91	24.90	24.90	24.92	24.91	24.91	-0.09	0.01	0.47	
		24.90	24.89	24.89	24.92	24.92					
3	50	49.84	49.83	49.85	49.84	49.84	49.84	-0.16	0.01	0.47	
		49.85	49.83	49.85	49.83	49.86					

Remarks

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- 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 Grade3 as specified in ISO 3696.

Calibrated By:

(Calibration Engineer)
 M.BALAJI



Authorised by:

(Quality Manager/Chief Executive)
 D.VETRI SELVI

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/22/15282

Page. No : 1 of 1

Customer Name & Address

GOVERNMENT PRIMARY HEALTH CENTRE PERUMUCHI, ARAKKONAM-631002,RANIPET DISTRICT.	SRF No.	SRF/22/00353-0004
	SRF Date	30-12-2022
	Date of Receipt	30-12-2022
	Date of Calibration	30-12-2022
	Due Date for Calibration	29-12-2023
	Issue Date	30-12-2022

Details of Unit Under Calibration

Description	Micro Pipette	Make	MICROLUX
Range	100-1000µl	Model	
Resolution	10µl	Material	PVC
Serial Number		Operating Range	
ID Number		Condition of UUC	Good
Cal. At	Mechanical Lab	Instrument Location	LABORATORY

Environmental Condition

Calibration Method Used

Temperature (°C)	23.2	Humidity (%RH)	52	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 Semi Micro Balance	15112918	TVCSP/22/2115-01	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	99.86	99.82	99.84	99.86	99.84	99.85	-0.15	0.01	0.47
		99.86	99.84	99.86	99.85	99.84				
2	500	499.80	499.81	499.80	499.81	499.80	499.84	-0.17	0.03	0.47
		499.87	499.86	499.87	499.86	499.87				
3	1000	999.90	999.91	999.90	999.91	999.90	999.91	-0.09	0.01	0.47
		999.92	999.93	999.92	999.93	999.92				

Remarks

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- 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 (DI) or Forming Grade3 as specified in ISO 3696.

Calibrated By,

(Calibration Engineer)
 M.BALAJI



Authorised by:

(Quality Manager/Chief Executive)
 D.VETRI SELVI

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