



CALIBRATION CERTIFICATE

CERTIFICATE NO: SBS/CLJ23/14175		MEDICAL DEVICES		Page No:1 of 1
Issue Date	12-10-2023			
SRF No & Date	SRF/23/00863-0001 & 11-10-2023			
Receipt Date	11-10-2023			
Calibration Date	11-10-2023			
Calibration Due	10-10-2024			
Customer Name & Address				
GOVERNMENT PRIMARY HEALTH CENTRE, L.ENDATHUR-603406,CHENGALPATTU DISTRICT.				
Details of Device Under Calibration (DUC)				
Description	: SEMI AUTO ANALYZER	Make & Model	: ROBONIK & PRIETEST TOUCH	
Range	: MULTI	Sr. No	: ATCD0021220RBK	
Resolution	: MULTI	Identification No	: NA	
DUC Condition	: SATISFACTORY	Location	: BIOCHEMISTRY LAB	
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

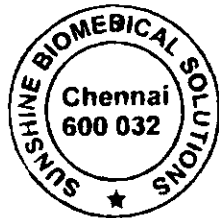
S.no	SPECIFICATION	MEASURED VALUES	EXPANDED UNCERTAINTY (±)
1	Insulation Resistance >20MΩ	Measured values in MΩ 87	Uncertainty in % (±) 13.92
2	Earth Leakage <5000µAfor B,BF,CF	Measured values in µA 195	Uncertainty in % (±) 9.3
3	Enclosure Leakage <500µAfor B,BF,CF	Measured values in µA 241	Uncertainty in % (±) 8.4

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)
P.PRASANNA



Authorised Signatory


Technical Manager
(C.SHANMUGARAJ)

Chief Executive

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/23/14176	MECHANICAL	Page No:1 of 1
Issue Date	12-10-2023		
SRF No & Date	SRF/23/00863-0002 & 11-10-2023		
Receipt Date	11-10-2023		
Calibration Date	11-10-2023		
Calibration Due	10-10-2024		

Customer Name & Address
 GOVERNMENT PRIMARY HEALTH CENTRE,
 L.ENDATHUR-603406,CHENGALPATTU DISTRICT.

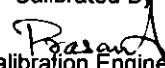
Details of Device Under Calibration (DUC)			
Description	CENTRIFUGE	Make & Model	REMI & C-852
Range	5250 RPM	Sr. No	BHLC-2230
Resolution	10 RPM	Identification No	NA
DUC Condition	Satisfactory	Location	LABORATORY

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	998.9	1.1	4.2
2	3000	2999.5	0.5	4.2
3	5000	4999.6	0.4	4.2

- 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)
 P.PRASANNA



Authorized Signatory

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

SUNSHINE BIOMEDICAL SOLUTIONS

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 E-Mail: calibration@sunshinebiomedical.com, Website: www.sunshinebiomedical.com.



CALIBRATION CERTIFICATE

CERTIFICATE NO: SBS/CL/23/14177		MEDICAL DEVICES		Page No:1 of 1
Issue Date	12-10-2023			
SRF No & Date	SRF/23/00863-0003 & 11-10-2023			
Receipt Date	11-10-2023			
Calibration Date	11-10-2023			
Calibration Due	10-10-2024			
Customer Name & Address				
GOVERNMENT PRIMARY HEALTH CENTRE, L.ENDATHUR-603406,CHENGALPATTU DISTRICT.				
Details of Device Under Calibration (DUC)				
Description	ELECTRICAL SAFETY(MICROSCOPE)	Make & Model	ZOOM SCIENTIFIC WORLD & ZBCM-08	
Range	MULTI	Sr. No	474433	
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

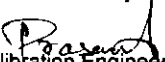
RESULTS

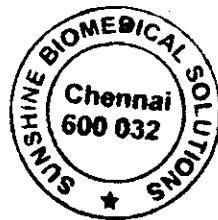
S.no	SPECIFICATION	MEASURED VALUES	EXPANDED UNCERTAINTY (±)
1	Insulation Resistance >20MΩ	Measured values in MΩ 92	Uncertainty in % (±) 13.92
2	Earth Leakage <5000µAfor B,BF,CF	Measured values in µA 181	Uncertainty in % (±) 9.7
3	Enclosure Leakage <500µAfor B,BF,CF	Measured values in µA 222	Uncertainty in % (±) 8.7

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)
P.PRASANNA



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,
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CALIBRATION CERTIFICATE

CERTIFICATE NO:	SBS/CL/23/14178	THERMAL	Page No:1 of 1	
Issue Date	12-10-2023			
SRF No & Date	SRF/23/00863-0004 & 11-10-2023			
Receipt Date	11-10-2023			
Calibration Date	11-10-2023			
Calibration Due	10-10-2024			
Customer Name & Address				
GOVERNMENT PRIMARY HEALTH CENTRE, L.ENDATHUR-603406,CHENGALPATTU DISTRICT.				
Details of Device Under Calibration (DUC)				
Description	TEMPERATURE INDICATOR WITH SENSOR OF (REFRIGERATOR)	Make & Model	HAIER & HRD-1905-BR	
Range	2-8 °C	Sr. No	BS0921E8000PIEA50269	
Resolution	0.1 °C	Identification No	NA	
DUC Condition	Satisfactory	Location	LABORATORY	
Environmental Conditions & Calibration Procedure Details				
Environmental Details	Temperature: 25.3°C	Relative Humidity	54% Rh	
Calibration Procedure No	SBS/CP/TH/04	Calibration done at	ONSITE	
Reference Standards Details				
S.No	Description	Make/ SI No:	Certificate No	Validity
1	RTD Sensor with paperless Recorder	Tempsens & Tempsens / TD09200218	TMS/22/62 01	10-11-2023

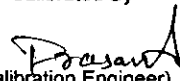
CALIBRATION RESULTS

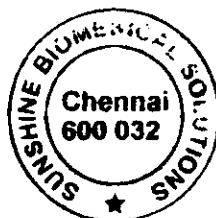
S.No.	DEVICE UNDER CALIBRATION READINGS	STANDARD INSTRUMENTS READINGS	DEVIATION	EXPANDED UNCERTAINTY (±)
	°C	°C	°C	°C
1	2.0	1.8	0.2	0.62
2	4.0	3.7	0.3	0.62
3	8.0	7.7	0.3	0.62

REMARKS

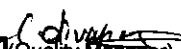

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- 3.The recalibration interval should be determined on the user requirement.
- 4.The results stated in this certificate relate only to the item calibrated.
- 5.The indicated uncertainties are expanded uncertainty estimated for a confidence level of approximately 95% for a coverage factor k=2.00 .
6. Equipment used for Calibration were calibrated & traceable to National & International Standards
7. Temperature Scale:International Temperature Scale,1990(ITS-90)

Calibrated By


(Calibration Engineer)
P.PRASANNA



Authorised Signatory


(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.



CALIBRATION CERTIFICATE

Certificate No: SBS/CL/23/14179 Page No: 1 of 1

Customer Name & Address			
GOVERNMENT PRIMARY HEALTH CENTRE, L.ENDATHUR-603406,CHENGALPATTU DISTRICT.	SRF No.	SRF/23/00863-0005	
	SRF Date	11-10-2023	
	Date of Receipt	10-10-2023	
	Date of Calibration	11-10-2023	
	Due Date for Calibration	10-10-2024	
	Issue Date	12-10-2023	

Details of Unit Under Calibration			
Description	Micro Pipette	Make	THERMO SCIENTIFIC
Range	100-1000µl	Model	FINNPIPETTE F3
Resolution	1µl	Material	PVC
Serial Number	RW12116	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

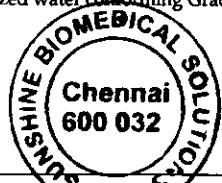
Standard Used						
SI. No.	Description	ID.No. / SI. No.	Certificate No.	Make/Model	Traceability	Valid till
1	Electronic Weighing Balance	15112918	TVCSPL22/12/2115-01	A&D & GH-252	National Standards	09-12-2023


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				

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)
 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.

CALIBRATION CERTIFICATE

Certificate No: SBS/CL/23/14180

Page No: 1 of 1

Customer Name & Address

GOVERNMENT PRIMARY HEALTH CENTRE,
L.ENDATHUR-603406, CHENGALPATTU DISTRICT.

SRF No.	SRF/23/00863-0006
SRF Date	11-10-2023
Date of Receipt	10-10-2023
Date of Calibration	11-10-2023
Due Date for Calibration	10-10-2024
Issue Date	12-10-2023

Details of Unit Under Calibration

Description	Micro Pipette	Make	THERMO SCIENTIFIC
Range	10-100µl	Model	FINNPIPETTE F3
Resolution	0.2µl	Material	PVC
Serial Number	RW07996	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)	56	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

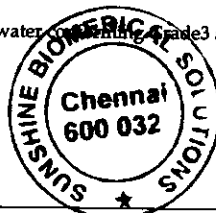
Sl. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)
1	10.0	9.94	9.97	9.94	9.96	9.93	9.95	-0.05	0.02	0.47
		9.98	9.95	9.92	9.97	9.96				
2	50.0	49.85	49.86	49.87	49.82	49.83	49.85	-0.15	0.02	0.47
		49.87	49.85	49.82	49.89	49.87				
3	100.0	99.94	99.97	99.96	99.95	99.98	99.95	-0.05	0.02	0.47
		99.93	99.95	99.97	99.94	99.95				

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 for a confidence level of approximately 95% for a coverage factor k=2.00.
- Calibration Liquid Used: Distilled or Deionized water (Grade 3) as specified in ISO 3696.

Calibrated By,

M. Adhiban
(Calibration Engineer)
M.ADHIBAN



Authorised by:

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,
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CALIBRATION CERTIFICATE

Certificate No: SBS/CL/23/14181

Page No: 1 of 1

Customer Name & Address

GOVERNMENT PRIMARY HEALTH CENTRE,
L.ENDATHUR-603406,CHENGALPATTU DISTRICT.

SRF No.	SRF/23/00863-0007
SRF Date	11-10-2023
Date of Receipt	10-10-2023
Date of Calibration	11-10-2023
Due Date for Calibration	10-10-2024
Issue Date	12-10-2023

Details of Unit Under Calibration

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

Environmental Condition

Temperature (°C)	23.7	Humidity (%RH)	56
Atmospheric Pressure (mbar)	1006	Water Temperature (°C)	21.6

Calibration Method Used

National / International Standard	ISO 8655-6:2002
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

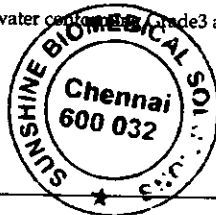
SI. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)
1	100	99.94	99.97	99.96	99.95	99.98	99.95	-0.05	0.02	0.47
		99.93	99.95	99.97	99.94	99.95				

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- Calibration Liquid Used: Distilled or Deionized water conforming to Grade 3 as specified in ISO 3696.

Calibrated By,

M. Adhiban
(Calibration Engineer)
M.ADHIBAN



Authorised by:

C. Sivalan
(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.

CALIBRATION CERTIFICATE

Certificate No: SBS/CL/23/14182

Page No: 1 of 1

Customer Name & Address

GOVERNMENT PRIMARY HEALTH CENTRE,
L.ENDATHUR-603406,CHENGALPATTU DISTRICT.

SRF No.	SRF/23/00863-0008
SRF Date	11-10-2023
Date of Receipt	10-10-2023
Date of Calibration	11-10-2023
Due Date for Calibration	10-10-2024
Issue Date	12-10-2023

Details of Unit Under Calibration

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

Environmental Condition

Temperature (°C)	23.9	Humidity (%RH)	55
Atmospheric Pressure (mbar)	1006	Water Temperature (°C)	21.6

Calibration Method Used

National / International Standard	ISO 8655-6:2002
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

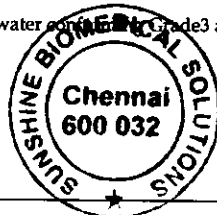
Sl. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)
1	1000	999.89	999.88	999.89	999.87	999.90	999.91	-0.09	0.03	0.47
		999.93	999.90	999.91	999.94	999.95				

Remarks

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- The indicated uncertainties are expanded uncertainty estimated for a confidence level of approximately 95% for a coverage factor k=2.00.
- Calibration Liquid Used: Distilled or Deionized water conforming to Grade3 as specified in ISO 3696.

Calibrated By,

M. Adhiban
(Calibration Engineer)
M.ADHIBAN



Authorised by:

C. Sivabalan
Quality Manager/Chief Executive
C.SIVABALAN

SUNSHINE BIOMEDICAL SOLUTIONS

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