27/01/2023

LEGAL IDENTITY CERTIFICATE

This is to certify that the following Primary Health Centre is functioning under the Department of Public Health and Preventive Medicine, Government of Tamil Nadu.

Name of the District	Name of the Health Unit District	Name of the Block	Name of the Primary Health Centre
Thoothukudi	Kovilpatti	Vilathikulam	Kulathur

This certificate is issued for submitting the Application for the "NABL Medical Entry Level Testing M(EL)T Labs Program"

Deputy Director of Health Services
Kovilpatti, Thoothukudi Dt.
Tamilnadu

Deputy Director
Health Services

SUNSHINE

CALIBRATION CERTIFICATE

CERTIFICATE NO: SBS/CL/22/14963	MEDICAL DEVICES	Page No 1 of 1
Issue Date	26-12-2022	
SRF No & Date	SRF/22/00347 -0002 & 23-12-2022	
Receipt Date	23-12-2022	
Calibration Date	23-12-2022	
Calibration Due	22-12-2023	

Customer Name & Address

GOVERNMENT UPGRADED PRIMARY HEALTH CENTRE,
VILATHIKULAM BLOCK,KULATHUR-628903,THOOTHUKUDI DISTRICT

Details of Device Under Calibration (DUC)

Description	SEMI AUTO ANALYZER	Make & Model	ROBONIK & PRIETEST TOUCH
Range		Sr. No	ATCD2108321RBK
Resolution		Identification No	
DUC Condition	SATISFACTORY	Location	LAB

Environmental Conditions & Calibration Procedure Details

Environmental Details	Temperature: 24.6° C	Relative Humidity	48% RH
Calibration Procedure No	SBS/CP/MD/20	Calibration done at	ONSITE

Reference Standards Details

S.No	Description	Make/ Sl No:	Certificate No	Validity
1	Electrical Safety Analyser	FLUKE & 2244202	ACCS221224	24-06-2023

RESULTS

Electrical Safety

S.no	Specification	Measured values in MΩ	Allowable limit in MΩ	Uncertainty in % (±)
1	Insulation Resistance	77	>20MΩ	13.92
		Measured values in µA	**Allowable limit in µA**	**Uncertainty in % (±)**
2	Earth Leakage	152	<5000µAfor B,BF,CF	5.9
		Measured values in µA	Allowable limit in µA	Uncertainty in % (±)
3	Enclosure Leakage	201	<500µAfor B,BF,CF	6.9

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)
C SIVABALAN

SUNSHINE BIOMEDICAL SOLUTIONS Chennai 600 032

Authorised Signatory

☑ Quality Manager (D.VETRI SELVI)

☐ Chief Executive

SUNSHINE

CALIBRATION CERTIFICATE

CERTIFICATE NO: SBS/CL/22/14964	MEDICAL DEVICES	Page No:1 of 1
ssue Date	26-12-2022	
RF No & Date	SRF/22/00347 -0003 & 23-12-2022	
eceipt Date	23-12-2022	
alibration Date	23-12-2022	
alibration Due	22-12-2023	

ustomer Name & Address

OVERNMENT UPGRADED PRIMARY HEALTH CENTRE,
LATHIKULAM BLOCK,KULATHUR-628903,THOOTHUKUDI DISTRICT.

Details of Device Under Calibration (DUC)

escription	ELECTRICAL SAFETY (CELL COUNTER)	Make & Model	SYSMEX & XP-100
ange		Sr. No	B5627
esolution		Identification No	
UC Condition	SATISFACTORY	Location	LAB

Environmental Conditions & Calibration Procedure Details

vironmental Details	Temperature: 24.8° C	Relative Humidity	48% RH
libration Procedure No	SBS/CP/MD/20	Calibration done at	ONSITE

Reference Standards Details

No	Description	Make/ Sl No:	Certificate No	Validity
	Electrical Safety Analyser	FLUKE & 2244202	ACCS221224	24-06-2023

Electrical Safety

ESULTS

no	Specification	Measured values in MΩ	Allowable limit in MΩ	Uncertainty in % (±)
	Insulation Resistance	81	>20MΩ	13.92
		Measured values in µA	**Allowable limit in µA**	**Uncertainty in % (±)**
	Earth Leakage	162	<5000µAfor B,BF,CF	5.9
		Measured values in µA	Allowable limit in µA	Uncertainty in % (±)
	Enclosure Leakage	197	<500µAfor B,BF,CF	6.9

MARKS

his Calibration certificate shall not be reproduced except in full, without written approval of the laboratory.
he user should determine the suitability of the instrument for its intended use.
he recalibration interval should be determined on the user requirement.
he results stated in this certificate relate only to the item calibrated.
he indicated uncertainties are expanded uncertainty estimated for a confidence level of approximately 95% for a coverage factor k=2.00
quipment used for Calibration were calibrated & traceable to National & International Standards.

Authorised Signatory

Calibrated By

(Calibration Engineer)
C.SIVABALAN

SUNSHINE BIOMEDICAL SOLUTIONS Chennai 600 032

[ ] Quality Manager
(D.VETRI SELVI)

[ ] Chief Executive

CALIBRATION CERTIFICATE

Certificate No: SBS/CL/22/14982

Customer Name & Address

GOVERNMENT UPGRADED PRIMARY HEALTH CENTRE,
VILATHIKULAM BLOCK,KULATHUR-628903,
THOOTHUKUDI DISTRICT

SRF No.	SRF/22/00347-0021
SRF Date	27-12-2022
Date of Receipt	27-12-2022
Date of Calibration	27-12-2022
Due Date for Calibration	26-12-2023
Issue Date	27-12-2022

Details of Unit Under Calibration

Description	Micro Pipette	Make	THERMOSCIENTIFIC
Range	100-1000µl	Model	FINNPIPETTE F3
Resolution	5 µl	Material	PVC
Serial Number	RW13278	Operating Range	
ID Number		Condition of UUC	Good
Cal. At	Mechanical Lab	Instrument Location	LAB

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 Semi Micro 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	99.96	99.98	99.96	99.97	99.98	99.96	-0.04	0.02	0.47
		99.94	99.93	99.95	99.96	99.97				
2	500	49.92	49.91	49.92	49.91	49.91	49.90	-450.10	0.02	0.47
		49.89	49.88	49.87	49.90	49.88				
3	1000	999.80	999.79	999.78	999.81	999.83	999.78	-0.22	0.04	0.47
		999.81	999.76	999.74	999.73	999.72				

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. 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)
P.MYILSAMY

SUNSHINE BIOMEDICAL SOLUTIONS Chennai 600 032

Authorised by:

(Quality Manager/Chief Executive)
D.VETRI SELVI

SUNSHINE

CALIBRATION CERTIFICATE

Certificate No: SBS/CL/22/14983

Customer Name & Address

GOVERNMENT UPGRADED PRIMARY HEALTH CENTRE,
VILATHIKULAM BLOCK,KULATHUR-628903,
THOOTHUKUDI DISTRICT.

SRF No.	SRF/22/00347-0022
SRF Date	27-12-2022
Date of Receipt	27-12-2022
Date of Calibration	27-12-2022
Due Date for Calibration	26-12-2023
Issue Date	27-12-2022

Details of Unit Under Calibration

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

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 Semi Micro 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	9.89	9.88	9.92	9.91	9.88	-0.12	0.02	0.47
		9.89	9.88	9.87	9.86	9.84				
2	30	29.96	29.94	29.96	29.94	29.96	29.90	-0.10	0.06	0.47
		29.84	29.85	29.84	29.85	29.84				
3	50	49.81	49.82	49.81	49.82	49.81	49.82	-0.18	0.01	0.47
		49.83	49.84	49.83	49.84	49.83				

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. 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 Confirming Grade3 as specified in ISO 3696.

Calibrated By,

(Calibration Engineer)
P.MYILSAMY

SUNSHINE BIOMEDICAL SOLUTIONS Chennai 600 032

Authorised by:

(Quality Manager/Chief Executive)
D.VETRI SELVI

SUNSHINE

CALIBRATION CERTIFICATE

CERTIFICATE NO: SBS/CL/22/14966	THERMAL	Page No 1 of 1
Issue Date	26-12-2022	
SRF No & Date	SRF/22/00347 -0005 & 23-12-2022	
Receipt Date	23-12-2022	
Calibration Date	23-12-2022	
Calibration Due	22-12-2023	

Customer Name & Address

GOVERNMENT UPGRADED PRIMARY HEALTH CENTRE,
VILATHIKULAM BLOCK,KULATHUR-628903 THOOTHUKUDI DISTRICT

Details of Device Under Calibration (DUC)

Description	TEMPERATURE INDICATOR WITH SENSOR OF REFRIGERATOR		Make & Model	LG & GL-225BEG5
Range	2-8	°C	Sr. No	
Resolution	0.1	°C	Identification No	
DUC Condition	Satisfactory		Location	LAB

Environmental Conditions & Calibration Procedure Details

Environmental Details	Temperature: 26.2° C	Relative Humidity	48 % Rh
Calibration Procedure No	SBS/CP/TH/02	Calibration done at	ONSITE

Reference Standards Details

S.No	Description	Make/ Sl No:	Certificate No	Validity
1	RTD Sensor with Paperless Recorder	Tempsens& Tempsens/ --- & TD09200218	CC-2022-L-0157/001	21-07-2023

CALIBRATION RESULTS

S.No.	DEVICE UNDER CALIBRATION READINGS	STANDARD INSTRUMENTS READINGS	DEVIATION	EXPANDED UNCERTAINTY (±)
	°C	°C	°C	°C
1	2.0	1.9	0.1	0.63
2	4.0	4.0	0.0	0.63
3	8.0	7.9	0.1	0.63

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
7 Temperature Scale International Temperature Scale,1990(ITS-90)

Calibrated By

(Calibration Engineer)
P. MYILSAMY

SUNSHINE BIOMEDICAL SOLUTIONS Chennai 600 032

Authorised Signatory

☑ Quality Manager (D.VETRI SELVI) ☐ Chief Executive

SUNSHINE

CALIBRATION CERTIFICATE

CERTIFICATE NO:	SBS/CL/22/14965	MECHANICAL	Page No:1 of 1

Issue Date	26-12-2022
SRF No & Date	SRF/22/00347 -0004 & 23-12-2022
Receipt Date	23-12-2022
Calibration Date	23-12-2022
Calibration Due	22-12-2023

Customer Name & Address

GOVERNMENT UPGRADED PRIMARY HEALTH CENTRE,
VILATHIKULAM BLOCK,KULATHUR-628903,THOOTHUKUDI DISTRICT.

Details of Device Under Calibration (DUC)

Description	:	CENTRIFUGE	Make & Model	:	M.C.DALAL & TC 650 D
Range	:	4200 RPM	Sr. No	:	EDC97
Least Count	:	100 RPM	Identification No	:	
DUC Condition	:	Satisfactory	Location	:	LAB

Environmental Conditions & Standard Operating Procedure Details

Environmental Details	Temperature: 25.8 °C	Relative Humidity	50% Rh
Calibration Procedure No	SBS/CP/ML/04	Calibration done at	ONSITE

Reference Standards Details

S No	Description	Make/ Sl 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	500	499.2	-0.8	6.58
2	2000	1998.8	-1.2	6.58
3	4000	3999.7	-0.3	6.58

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.MYILSAMY

SUNSHINE BIOMEDICAL SOLUTIONS Chennai 600 032

Authorised Signatory

[✓] Quality Manager (D.VETRI SELVI) [ ] Chief Executive

SUNSHINE

CALIBRATION CERTIFICATE

CERTIFICATE NO: SBS/CL/22/14962	MEDICAL DEVICES	Page No 1 of 1
Issue Date	26-12-2022	
SRF No & Date	SRF/22/00347 -0001 & 23-12-2022	
Receipt Date	23-12-2022	
Calibration Date	23-12-2022	
Calibration Due	22-12-2023	

Customer Name & Address

GOVERNMENT UPGRADED PRIMARY HEALTH CENTRE,
VILATHIKULAM BLOCK,KULATHUR-628903,THOOTHUKUDI DISTRICT.

Details of Device Under Calibration (DUC)

Description	ELECTRICAL SAFETY(MICROSCOPE)	Make & Model	LABOMED & LX200
Range		Sr. No	190614770
Resolution		Identification No	
DUC Condition	SATISFACTORY	Location	LAB

Environmental Conditions & Calibration Procedure Details

Environmental Details	Temperature: 24.8° C	Relative Humidity	48% RH
Calibration Procedure No	SBS/CP/MD/29	Calibration done at	ONSITE

Reference Standards Details

S.No	Description	Make/ Sl No:	Certificate No	Validity
1	Electrical Safety Analyser	FLUKE & 2244202	ACCS221224	24-06-2023

RESULTS

Electrical Safety

S.no	Specification	Measured values in MΩ	Allowable limit in MΩ	Uncertainty in % (±)
1	Insulation Resistance	101	>20MΩ	13.92
		Measured values in µA	**Allowable limit in µA**	**Uncertainty in % (±)**
2	Earth Leakage	115	<5000µAfor B,BF,CF	5.9
		Measured values in µA	Allowable limit in µA	Uncertainty in % (±)
3	Enclosure Leakage	192	<500µAfor B,BF,CF	6.9

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)
C.SIVABALAN

SUNSHINE BIOMEDICAL SOLUTIONS Chennai 600 032

Authorised Signatory

Quality Manager
(D.VETRI SELVI)

Chief Executive

SUNSHINE

CALIBRATION CERTIFICATE

Certificate No: SBS/CL/22/14981

Customer Name & Address

GOVERNMENT UPGRADED PRIMARY HEALTH CENTRE,
VILATHIKULAM BLOCK,KULATHUR-628903,
THOOTHUKUDI DISTRICT

SRF No.	SRF/22/00347-00201
SRF Date	27.12.2022
Date of Receipt	27.12.2022
Date of Calibration	27.12.2022
Due Date for Calibration	26.12.2023
Issue Date	27.12.2022

Details of Unit Under Calibration

Description	Micro Pipette	Make	THERMOSCIENTIFIC
Range	10-100µl	Model	FINNPIPETTE F3
Resolution	1 µl	Material	PVC
Serial Number	RW09959	Operating Range	
ID Number		Condition of UUC	Good
Cal. At	Mechanical Lab	Instrument Location	LAB

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 Semi Micro 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	9.96	9.94	9.93	9.95	9.94	9.93	-0.07	0.02	0.47
		9.93	9.92	9.90	9.92	9.94				
2	50	49.92	49.88	49.80	49.84	49.87	49.85	-0.15	0.04	0.47
		49.86	49.85	49.87	49.82	49.80				
3	100	99.82	99.80	99.79	99.76	99.78	99.80	-0.20	0.03	0.47
		99.80	99.81	99.88	99.80	99.79				

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. 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)
P.MYILSAMY

SUNSHINE BIOMEDICAL SOLUTIONS Chennai 600 032

Authorised by:

(Quality Manager/Chief Executive)
D.VETRI SELVI