



## CALIBRATION CERTIFICATE

CERTIFICATE NO:	SBS/CL/23/15000	MECHANICAL	Page No:1 of 1
Issue Date	18-10-2023		
SRF No & Date	SRF/23/00923-0001 & 17-10-2023		
Receipt Date	17-10-2023		
Calibration Date	17-10-2023		
Calibration Due	16-10-2024		

### Customer Name & Address

GOVERNMENT PRIMARY HEALTH CENTRE,  
ARANGALDURGAM-635811, THIRUPATTUR DISTRICT.

### Details of Device Under Calibration (DUC)

Description : CENTRIFUGE	Make & Model : B.D INSTRUMENT & BDI-152
Range : 0-3500 RPM	Sr. No : NA
Least Count : 1 RPM	Identification No : NA
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

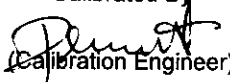
S.No	Description	Make/ SI No:	Certificate No	Validity
1	Digital Tachometer	LINE SEIKI / 175-0034V	TMS/22/63 01	10-11-2023

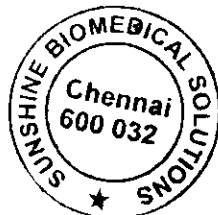
### CALIBRATION RESULTS


S.No	DEVICE UNDER CALIBRATION	STANDARD INSTRUMENTS	DEVIATION	EXPANDED UNCERTAINTY (±)
	RPM	RPM	RPM	%
1	1000	999.9	0.1	4.2
2	2000	1999.7	0.3	4.2
3	3000	2999.8	0.2	4.2

### 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  
  
 (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/23/15001	MEDICAL DEVICES	Page No:1 of 1
Issue Date	18-10-2023	
SRF No & Date	SRF/23/00923-0002 & 17-10-2023	
Receipt Date	17-10-2023	
Calibration Date	17-10-2023	
Calibration Due	16-10-2024	

**Customer Name & Address**  
 GOVERNMENT PRIMARY HEALTH CENTRE,  
 ARANGALDURGAM-635811, THIRUPATTUR DISTRICT.

### Details of Device Under Calibration (DUC)

Description : ELECTRICAL SAFETY(MICROSCOPE)	Make & Model : OLYMPUS & CH20IBMF
Range : MULTI	Sr. No : I11B166
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

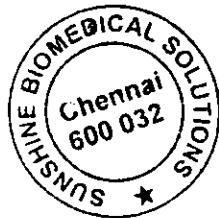
S.no	SPECIFICATION	MEASURED VALUES	EXPANDED UNCERTAINTY (±)
1	Insulation Resisitance >20MΩ	Measured values in MΩ 87	Uncertainty in % ( ± ) 13.92
2	Earth Leakage <5000µAfor B,BF,CF	Measured values in µA 195	Uncertainty in % ( ± ) 9.3
3	Enclosure Leakage <500µAfor B,BF,CF	Measured values in µA 241	Uncertainty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

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- 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

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## CALIBRATION CERTIFICATE

CERTIFICATE NO:	SBS/CL/23/15002	THERMAL	Page No:1 of 1
Issue Date	18-10-2023		
SRF No & Date	SRF/23/00923-0003 & 17-10-2023		
Receipt Date	17-10-2023		
Calibration Date	17-10-2023		
Calibration Due	16-10-2024		

**Customer Name & Address**  
 GOVERNMENT PRIMARY HEALTH CENTRE,  
 ARANGALDURGAM-635811, THIRUPATTUR DISTRICT.

Details of Device Under Calibration (DUC)			
Description	TEMPERATURE INDICATOR WITH SENSOR OF (ILR)	Make & Model	HAIER & HBC-70
Range	2-8 °C	Sr. No	BE0581E0100B29790009
Resolution	0.1 °C	Identification No	NA
DUC Condition	Satisfactory	Location	ILR ROOM

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

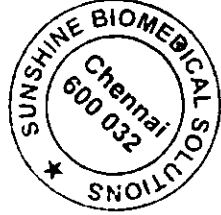
Reference Standards Details				
S.No	Description	Make/ SI No:	Certificate No	Validity
1	RTD Sensor with paperless Recorder	Tempsens & Tempsens / TD09200218	TMS/22/62 01	10-11-2023

CALIBRATION RESULTS				
S.No.	DEVICE UNDER CALIBRATION READINGS	STANDARD INSTRUMENTS READINGS	DEVIATION	EXPANDED UNCERTAINTY (±)
	°C	°C	°C	°C
1	2.0	1.7	0.3	0.62
2	4.0	3.9	0.1	0.62
3	6.0	5.7	0.3	0.62

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  - 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)



## CALIBRATION CERTIFICATE

<b>CERTIFICATE NO:</b>	SBS/CL/23/15003	<b>THERMAL</b>	Page No:1 of 1	
Issue Date	18-10-2023			
SRF No & Date	SRF/23/00923-0004 & 17-10-2023			
Receipt Date	17-10-2023			
Calibration Date	17-10-2023			
Calibration Due	16-10-2024			
<b>Customer Name &amp; Address</b>				
GOVERNMENT PRIMARY HEALTH CENTRE, ARANGALDURGAM-635811, THIRUPATTUR DISTRICT.				
<b>Details of Device Under Calibration (DUC)</b>				
Description	: DEEP FREEZER	Make & Model	: VEST FROST & MF114	
Range	: -15 to -20 °C	Sr. No	: 20160446295	
Resolution	: 0.1 °C	Identification No	: NA	
DUC Condition	: Satisfactory	Location	: ILR ROOM	
<b>Environmental Conditions &amp; Calibration Procedure Details</b>				
Environmental Details	Temperature: 23.9°C	Relative Humidity	58% Rh	
Calibration Procedure No	SBS/CP/TH/04	Calibration done at	ONSITE	
<b>Reference Standards Details</b>				
<b>S.No</b>	<b>Description</b>	<b>Make/ SI No:</b>	<b>Certificate No</b>	<b>Validity</b>
1	RTD Sensor with paperless Recorder	Tempens & Tempens / 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	-20.0	-19.9	-0.1	0.19

### REMARKS


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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)

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## CALIBRATION CERTIFICATE

CERTIFICATE NO: SBS/CL/23/15004	MEDICAL DEVICES	Page No:1 of 1
Issue Date	18-10-2023	
SRF No & Date	SRF/23/00923-0005 & 17-10-2023	
Receipt Date	17-10-2023	
Calibration Date	17-10-2023	
Calibration Due	16-10-2024	

**Customer Name & Address**  
GOVERNMENT PRIMARY HEALTH CENTRE,  
ARANGALDURGAM-635811, THIRUPATTUR DISTRICT.

Details of Device Under Calibration (DUC)			
Description	: FINGERTIP PULSE OXIMETER	Make & Model	: VENUS & NA
Range	: MULTI RANGE	Sr. No	: 05072020
Resolution	: MULTI RESOLUTION	Identification No	: NA
DUC Condition	: SATISFACTORY	Location	: OPD

Environmental Conditions & Calibration Procedure Details			
Environmental Details	Temperature: 25.4°C	Relative Humidity	56% RH
Calibration Procedure No	SBS/CP/MD/05 & SBS/CP/MD/29	Calibration done at	ONSITE

Reference Standards Details				
S.No	Description	Make/ SI No:	Certificate No	Validity
1	Vital Sign Simulator	Rigel Medical & 49K-0281	M-230809-16-1	10-08-2024
2	SPO2 Test Module	Rigel Medical & 49K-0281	M-230809-16-2	

### CALIBRATION RESULTS

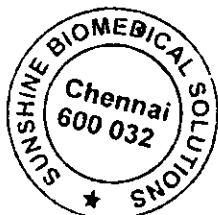
S.No.	STANDARD INSTRUMENTS READINGS	DEVICE UNDER CALIBRATION READINGS	DEVIATION	EXPANDED UNCERTAINTY (±)
<b>Pulse Rate</b>				
	bpm	bpm	bpm	%
1	80	81	1	4.34
2	90	90	0	4.34
3	100	101	1	4.34
<b>Spo2 rate</b>				
	%	%	%	%
1	90	90	0	5.50
2	95	95	0	5.50
3	100	100	0	5.50

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Calibrated By

  
P.PRASANNA  
(Calibration Engineer)



Authorised Signatory

  
 Technical Manager  
(C.SHANMUGARAJ)

Chief Executive

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## CALIBRATION CERTIFICATE

CERTIFICATE NO: SBS/CL/23/15005	MEDICAL DEVICES	Page No:1 of 1
Issue Date	18-10-2023	
SRF No & Date	SRF/23/00923-0006 & 17-10-2023	
Receipt Date	17-10-2023	
Calibration Date	17-10-2023	
Calibration Due	16-10-2024	

**Customer Name & Address**  
GOVERNMENT PRIMARY HEALTH CENTRE,  
ARANGALDURGAM-635811, THIRUPATTUR DISTRICT.

Details of Device Under Calibration (DUC)			
Description	: FINGERTIP PULSE OXIMETER	Make & Model	: CONTEC & CMS50D
Range	: MULTI RANGE	Sr. No	: 21051954443
Resolution	: MULTI RESOLUTION	Identification No	: NA
DUC Condition	: SATISFACTORY	Location	: LABOUR WARD

Environmental Conditions & Calibration Procedure Details			
Environmental Details	Temperature: 25.4°C	Relative Humidity	56% RH
Calibration Procedure No	SBS/CP/MD/05 & SBS/CP/MD/29	Calibration done at	ONSITE

Reference Standards Details				
S.No	Description	Make/ SI No:	Certificate No	Validity
1	Vital Sign Simulator	Rigel Medical & 49K-0281	M-230809-16-1	10-08-2024
2	SPO2 Test Module	Rigel Medical & 49K-0281	M-230809-16-2	

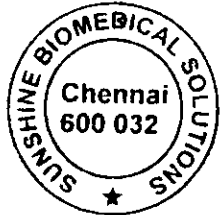
### CALIBRATION RESULTS

S.No.	STANDARD INSTRUMENTS READINGS	DEVICE UNDER CALIBRATION READINGS	DEVIATION	EXPANDED UNCERTAINTY (±)
<b>Pulse Rate</b>				
	bpm	bpm	bpm	%
1	60	60	0	4.34
2	80	80	0	4.34
3	90	91	1	4.34
<b>Spo2 rate</b>				
	%	%	%	%
1	70	70	0	5.29
2	80	80	0	5.29
3	90	90	0	5.29

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Calibrated By  
  
P.PRASANNA  
(Calibration Engineer)



Authorised Signatory  
   
Technical Manager (C.SHANMUGARAJ)  
 Chief Executive



## CALIBRATION CERTIFICATE

CERTIFICATE NO: SBS/CL/23/15006	MEDICAL DEVICES	Page No:1 of 1
Issue Date	18-10-2023	
SRF No & Date	SRF/23/00923-0007 & 17-10-2023	
Receipt Date	17-10-2023	
Calibration Date	17-10-2023	
Calibration Due	16-10-2024	

**Customer Name & Address**  
 GOVERNMENT PRIMARY HEALTH CENTRE,  
 ARANGALDURGAM-635811, THIRUPATTUR DISTRICT.

Details of Device Under Calibration (DUC)			
Description	FINGERTIP PULSE OXIMETER	Make & Model	NIDEK & NA
Range	MULTI RANGE	Sr. No	NA
Resolution	MULTI RESOLUTION	Identification No	NA
DUC Condition	SATISFACTORY	Location	IPD

Environmental Conditions & Calibration Procedure Details			
Environmental Details	Temperature: 25.4°C	Relative Humidity	56% RH
Calibration Procedure No	SBS/CP/MD/05 & SBS/CP/MD/29	Calibration done at	ONSITE

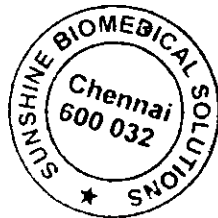
Reference Standards Details				
S.No	Description	Make/ SI No:	Certificate No	Validity
1	Vital Sign Simulator	Rigel Medical & 49K-0281	M-230809-16-1	10-08-2024
2	SPO2 Test Module	Rigel Medical & 49K-0281	M-230809-16-2	

CALIBRATION RESULTS				
S.No.	STANDARD INSTRUMENTS READINGS	DEVICE UNDER CALIBRATION READINGS	DEVIATION	EXPANDED UNCERTAINTY (±)
<b>Pulse Rate</b>				
	bpm	bpm	bpm	%
1	70	70	0	4.34
2	90	90	0	4.34
3	120	121	1	4.34
<b>Spo2 rate</b>				
	%	%	%	%
1	80	80	0	5.29
2	85	85	0	5.29
3	90	90	0	5.29

- REMARKS**
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Calibrated By

(Calibration Engineer)  
 P.PRASANNA



Authorised Signatory

Technical Manager  
 (C.SHANMUGARAJ)
  Chief Executive

### SUNSHINE BIOMEDICAL SOLUTIONS

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## CALIBRATION CERTIFICATE

Certificate No: SBS/CL/23/15007

Page No:1 of 2

Customer Name & Address  GOVERNMENT PRIMARY HEALTH CENTRE, ARANGALDURGAM-635811, THIRUPATTUR DISTRICT.	SRF No & Date	SRF/23/00923-0008 & 17-10-2023
	Date of Receipt	17-10-2023
	Date of Calibration	17-10-2023
	Due Date of Calibration	16-10-2024
	Date of Issue	18-10-2023

**Details of Unit under Calibration**

Description	ADULT WEIGHING MACHINE	Make	DOCTOR'S BELI RAM&SONS
Range	0-150kg	Model	KRUPS
Resolution	0.5kg	Accuracy	CLASS IV
Serial Number	NA	Calibration Range	0-20kg
ID Number	NA	Condition of UUC	GOOD
Cal. At	On Site	Instrument Location	AN CLINIC

Environmental Condition		Calibration Method Used	
Temperature (°C)	25.2°C	National / International Standard	OIML R 76-1 & 2
Humidity (%RH)	53%	Cal. Procedure Number	SBS/CP/ML/07
Pressure (mbar)	1006	Estimated Uncertainty ((k=2) @ 95.45%)	608.3 g

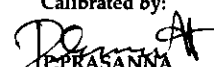
**Standard Used**

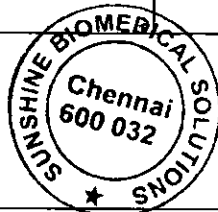
Sl. No.	Description	Sl.No	Certificate Number	Make/Model	Traceability	Valid till
01	(1Kg,2Kg) Weights	2308124 & 034	TVCSP/23/08/764-01& TVCSP/23/08/764-02	SENSORTRON	TRUE VALUE	06-08-2024
02	(2Kg) Weights	860	TVCSP/21/10/1283-01	SENSORTRON	TRUE VALUE	25-10-2023
03	5kg Weights	305	TVCSP/23/04/109-01	SENSORTRON	TRUE VALUE	19-04-2024
04	(10Kg) Weight	869	TVCSP/22/10/1796-01	SENSORTRON	TRUE VALUE	20-10-2023


### Results of Calibration

**1. REPEATABILITY**

S.NO.	50% of Range in 'g'	Observed Reading in 'g'	100% of Range in 'g'	Observed Reading in 'g'
01	10000	10000	20000	20000
02		9500		19500
03		10000		20000
04		10000		20000
05		9500		19500
06		10000		20000
07		10000		20000
08		9500		19500
09		10000		20000
10		10000		20000
S.D. at Half load =		241.5	S.D. at Full load =	
			241.5	

Calibrated by:  
  
**P. PRASANNA**  
 (Calibration Engineer)



Authorized by:  
  
**C. SIVABALAN**  
 (Quality Manager/Chief Executive)

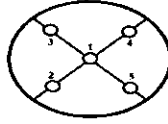
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**2. ECCENTRICITY TEST**

**PAN SHAPE**



S.NO.	Nominal Mass value in g	Position of weight	Observed Mass Value in g
01	5000	1	5000
02		2	5000
03		3	4500
04		4	5000
05		5	5000
The Error Due to Eccentric Loading in 'g' =			500

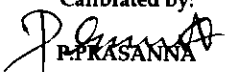
**3. WEIGHING ERROR TEST**

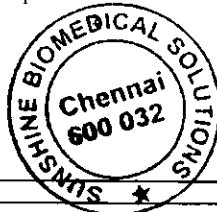
S.NO.	Nominal Value in g	Conventional Mass Value in g	Observed Reading in g	Error in g
01	0	0.000000	0	0.000000
02	1000	1000.0039	1000	0.0039
03	2000	2000.0064	2000	0.0064
04	3000	3000.0103	3000	0.0103
05	4000	4000.0085	3500	500.0085
06	5000	5000.0094	5000	0.0094
07	6000	6000.0133	5500	500.0133
08	7000	7000.0158	7000	0.0158
09	10000	10000.03	10000	0.03
10	12000	12000.0364	12000	0.0364
11	15000	15000.0394	14500	500.0394
12	20000	20000.0518	20000	0.0518

**Remarks:**

1. UUC is Defined as the Unit Under Calibration
2. This calibration certificate will not be legal for the purpose of the Standard of "Weights & Measure (enforcement) act 1985".
3. This Calibration Certificate relates only to the above UUC & Reported results are valid at the time of and under the stated conditions of measurements
4. Calibration of the UUC are traceable to National / International Standards
5. This report shall not be reproduced in full/ part without prior permission of Sunshine
6. The recalibration interval shall be determined on the user requirements
7. Thermal stabilization time given before calibration: 1 hour
8. Change in Temperature during the calibration was less than  $\pm 1^{\circ}\text{C}$  per hour

Calibrated by:

  
P.PRASANNA  
(Calibration Engineer)



Authorized by:

  
(Quality Manager/Chief Executive)  
C.SIVABALAN

**SUNSHINE BIOMEDICAL SOLUTIONS**

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## CALIBRATION CERTIFICATE

Certificate No: SBS/CL/23/15008

Page No:1 of 2

<b>Customer Name &amp; Address</b>  GOVERNMENT PRIMARY HEALTH CENTRE, ARANGALDURGAM-635811, THIRUPATTUR DISTRICT.	<b>SRF No &amp; Date</b>	SRF/23/00923-0009 & 17-10-2023
	<b>Date of Receipt</b>	17-10-2023
	<b>Date of Calibration</b>	17-10-2023
	<b>Due Date of Calibration</b>	16-10-2024
	<b>Date of Issue</b>	18-10-2023

**Details of Unit under Calibration**

<b>Description</b>	ADULT WEIGHING MACHINE	<b>Make</b>	BELITA
<b>Range</b>	0-150kg	<b>Model</b>	BPS-D-1152
<b>Resolution</b>	0.1kg	<b>Accuracy</b>	CLASS IV
<b>Serial Number</b>	1152041905	<b>Calibration Range</b>	0-20kg
<b>ID Number</b>	NA	<b>Condition of UUC</b>	GOOD
<b>Cal. At</b>	On Site	<b>Instrument Location</b>	OPD

Environmental Condition		Calibration Method Used	
Temperature (°C)	25.2°C	National / International Standard	OIML R 76-1 & 2
Humidity (%RH)	53%	Cal. Procedure Number	SBS/CP/ML/07
Pressure (mbar)	1006	Estimated Uncertainty ((k=2) @ 95.45%)	166.1 g

**Standard Used**

Sl. No.	Description	Sl.No	Certificate Number	Make/Model	Traceability	Valid till
01	(1Kg,2Kg) Weights	2308124 & 034	TVCSP23/08/764-01& TVCSP23/08/764-02	SENSORTRON	TRUE VALUE	06-08-2024
02	(2Kg) Weights	860	TVCSP21/10/1283-01	SENSORTRON	TRUE VALUE	25-10-2023
03	5kg Weights	305	TVCSP23/04/109-01	SENSORTRON	TRUE VALUE	19-04-2024
04	(10Kg) Weight	869	TVCSP22/10/1796-01	SENSORTRON	TRUE VALUE	20-10-2023

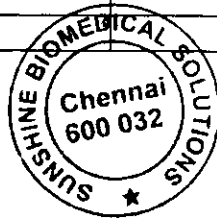
**Results of Calibration**

**1. REPEATABILITY**

S.NO.	50% of Range in 'g'	Observed Reading in 'g'	100% of Range in 'g'	Observed Reading in 'g'
01	10000	10000	20000	20000
02		9900		19900
03		10000		20000
04		10000		20000
05		9900		19900
06		10000		20000
07		10000		20000
08		9900		19900
09		10000		20000
10		10000		20000
<b>S.D. at Half load =</b>		48.3	<b>S.D. at Full load =</b>	
			48.3	

Calibrated by:

*P. Prasan*  
P.PRASANNA  
(Calibration Engineer)



Authorized by:

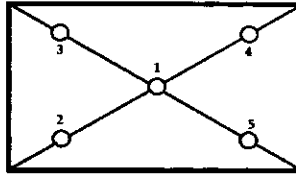
*C. Siva*  
(Quality Manager/Chief Executive)  
C.SIVABALAN

### 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.

**2. ECCENTRICITY TEST**

**PAN SHAPE**



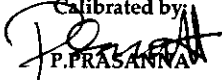
S.NO.	Nominal Mass value in g	Position of weight	Observed Mass Value in g
01	5000	1	5000
02		2	5000
03		3	4900
04		4	5000
05		5	5000
The Error Due to Eccentric Loading in 'g' =			100

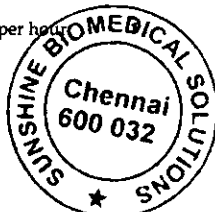
**3. WEIGHING ERROR TEST**


S.NO.	Nominal Value in g	Conventional Mass Value in g	Observed Reading in g	Error in g
01	0	0.000000	0	0.000000
02	1000	1000.0039	1000	0.0039
03	2000	2000.0064	2000	0.0064
04	3000	3000.0103	3000	0.0103
05	4000	4000.0085	3900	100.0085
06	5000	5000.0094	5000	0.0094
07	6000	6000.0133	5900	100.0133
08	7000	7000.0158	7000	0.0158
09	10000	10000.03	10000	0.03
10	12000	12000.0364	12000	0.0364
11	15000	15000.0394	14900	100.0394
12	20000	20000.0518	20000	0.0518

**Remarks:**

1. UUC is Defined as the Unit Under Calibration
2. This calibration certificate will not be legal for the purpose of the Standard of "Weights & Measure (enforcement) act 1985".
3. This Calibration Certificate relates only to the above UUC & Reported results are valid at the time of and under the stated conditions of measurements
4. Calibration of the UUC are traceable to National / International Standards
5. This report shall not be reproduced in full/ part without prior permission of Sunshine
6. The recalibration interval shall be determined on the user requirements
7. Thermal stabilization time given before calibration: 1 hour
8. Change in Temperature during the calibration was less than  $\pm 1^\circ\text{C}$  per hour

Calibrated by:  
  
**P. PRASANVA**  
 (Calibration Engineer)



Authorized by:  
  
 (Quality Manager/Chief Executive)  
**C.SIVABALAN**

**SUNSHINE BIOMEDICAL SOLUTIONS**

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## CALIBRATION CERTIFICATE

<b>CERTIFICATE NO: SBS/CL/23/15009</b>		<b>MEDICAL DEVICES</b>		Page No:1 of 1
Issue Date	18-10-2023			
SRF No & Date	SRF/23/00923-0010 & 17-10-2023			
Receipt Date	17-10-2023			
Calibration Date	17-10-2023			
Calibration Due	16-10-2024			
<b>Customer Name &amp; Address</b>				
GOVERNMENT PRIMARY HEALTH CENTRE, ARANGALDURGAM-635811, THIRUPATTUR DISTRICT.				
<b>Details of Device Under Calibration (DUC)</b>				
Description	: FETAL DOPPLER	Make & Model	: S.CURE & FD-501	
Range	: MULTI	Sr. No	: F200C021008564	
Resolution	: MULTI	Identification No	: NA	
DUC Condition	: SATISFACTORY	Location	: LABOUR WARD	
<b>Environmental Conditions &amp; Calibration Procedure Details</b>				
Environmental Details	Temperature: 25.2° C	Relative Humidity	52% RH	
Calibration Procedure No	SBS/CP/MD/25	Calibration done at	ONSITE	
<b>Reference Standards Details</b>				
S.No	Description	Make/ SI No:	Certificate No	Validity
1	Fetal Heart Simulator	Viamed & 100984	1594 633 959	12-07-2024

### CALIBRATION RESULTS

S.No.	STANDARD INSTRUMENTS READINGS	DEVICE UNDER CALIBRATION READINGS	DEVIATION	EXPANDED UNCERTAINTY (±)
Heart Rate				
	bpm	bpm	bpm	bpm
1	60	60	0	2.30
2	80	81	1	2.30
3	150	150	0	2.30

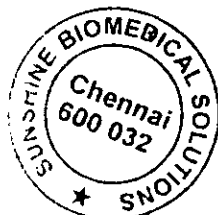
### REMARKS


- 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)  
P.PRASANNA



  
Quality Manager  Chief Executive  
(C.SIVABALAN)

## SUNSHINE BIOMEDICAL SOLUTIONS

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## CALIBRATION CERTIFICATE

Certificate No: SBS/CL/22/15010

Page No:1 of 2

<b>Customer Name &amp; Address</b>  GOVERNMENT PRIMARY HEALTH CENTRE, ARANGALDURGAM-635811, THIRUPATTUR DISTRICT.	<b>SRF No &amp; Date</b>	SRF/23/00923-0011 & 17-10-2023
	<b>Date of Receipt</b>	17-10-2023
	<b>Date of Calibration</b>	17-10-2023
	<b>Due Date of Calibration</b>	16-10-2024
	<b>Date of Issue</b>	18-10-2023

**Details of Unit under Calibration**

<b>Description</b>	DIGITAL BABY WEIGHING SCALE	<b>Make</b>	PHOENIX
<b>Range</b>	10kg	<b>Model</b>	NBY-10
<b>Resolution</b>	10g	<b>Accuracy</b>	CLASS II
<b>Serial Number</b>	0248071	<b>Calibration Range</b>	0-10kg
<b>ID Number</b>	NA	<b>Condition of UUC</b>	GOOD
<b>Cal. At</b>	On Site	<b>Instrument Location</b>	LABOUR WARD

Environmental Condition		Calibration Method Used	
Temperature (°C)	24.2°C	National / International Standard	OIML R 76-1 & 2
Humidity (%RH)	51%	Cal. Procedure Number	SBS/CP/ML/07
Pressure (mbar)	1005	Estimated Uncertainty ((k=2) @ 95.45%)	13.2 g

**Standard Used**

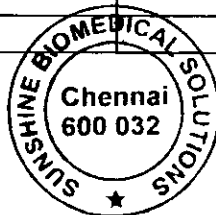
Sl. No.	Description	Sl.No	Certificate Number	Make/Model	Traceability	Valid till
01	100g & 200g	2003066 & 2003067 & 2003068	TVCSP 22/03/382-01	SENSORTRON	TRUE VALUE	03-03-2024
02	500 g	202112382	TVCSP 21/11/1481-01	SENSORTRON	TRUE VALUE	25-11-2023
03	(1Kg,2Kg) Weights	2308124 & 034	TVCSP 23/08/764-01 & TVCSPL 23/08/764-02	SENSORTRON	TRUE VALUE	06-08-2024
04	5kg Weights	305	TVCSP 23/04/109-01	SENSORTRON	TRUE VALUE	19-04-2024
05	10 Kg weight	869	TVCSP 22/10/1796-01	SENSORTRON	TRUE VALUE	20-10-2023

**Results of Calibration**

**1. REPEATABILITY**

S.NO.	50% of Range in 'g'	Observed Reading in 'g'	100% of Range in 'g'	Observed Reading in 'g'
01	5000	5000	10000	10000
02		5000		10000
03		4990		9990
04		5000		10000
05		5000		10000
06		5000		10000
07		4990		9990
08		5000		10000
09		5000		10000
10		5000		10000
<b>S.D. at Half load =</b>		4.2	<b>S.D. at Full load =</b>	
			4.2	

Calibrated by:  
  
**P. PRASANNA**  
 (Calibration Engineer)



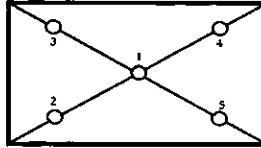
Authorized by:  
  
**C. SIVABALAN**  
 Quality Manager/Chief Executive

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

**2. ECCENTRICITY TEST**

**PAN SHAPE**



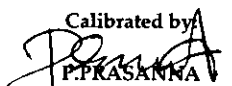
S.NO.	Nominal Mass value in g	Position of weight	Observed Mass Value in g
01	2500	1	2500
02		2	2500 *
03		3	2490
04		4	2500
05		5	2500
The Error Due to Eccentric Loading in 'g' =			10

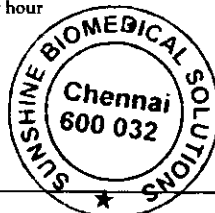
**3. WEIGHING ERROR TEST**


S.NO.	Nominal Value in g	Conventional Mass Value in g	Observed Reading in g	Error in g
01	0	0.000000	0	0.000000
02	100	100.00001	100	0.00001
03	200	200.00001	200	0.00015
04	500	500.000600	500	0.000600
05	700	700.000750	690	10.000750
06	1000	1000.003900	990	10.003900
07	2000	2000.006400	2000	0.006400
08	3000	3000.010300	3000	0.010300
09	5000	5000.009400	4990	10.009400
10	6000	6000.013300	5990	10.013300
11	8000	8000.019700	8000	0.019700
12	10000	10000.03000	10000	0.03000

**Remarks:**

1. UUC is Defined as the Unit Under Calibration
2. This calibration certificate will not be legal for the purpose of the Standard of "Weights & Measure (enforcement) act 1985".
3. This Calibration Certificate relates only to the above UUC & Reported results are valid at the time of and under the stated conditions of measurements
4. Calibration of the UUC are traceable to National / International Standards
5. This report shall not be reproduced in full/ part without prior permission of Sunshine
6. The recalibration interval shall be determined on the user requirements
7. Nabl-133 guidelines are adopted for use of NABL symbol
8. Thermal stabilization time given before calibration: 1 hour
9. Change in Temperature during the calibration was less than  $\pm 1^\circ\text{C}$  per hour

Calibrated by  
  
**P. PRASANNA**  
 (Calibration Engineer)



Authorized 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/23/15011	MEDICAL DEVICES	Page No:1 of 1
Issue Date	18-10-2023	
SRF No & Date	SRF/23/00923-0012 & 17-10-2023	
Receipt Date	17-10-2023	
Calibration Date	17-10-2023	
Calibration Due	16-10-2024	

**Customer Name & Address**  
GOVERNMENT PRIMARY HEALTH CENTRE,  
ARANGALDURGAM-635811, THIRUPATTUR DISTRICT.

Details of Device Under Calibration (DUC)			
Description	FINGERTIP PULSE OXIMETER	Make & Model	CONTEC & CMS50D
Range	MULTI RANGE	Sr. No	21051954450
Resolution	MULTI RESOLUTION	Identification No	NA
DUC Condition	SATISFACTORY	Location	PN WARD

Environmental Conditions & Calibration Procedure Details			
Environmental Details	Temperature: 25.4°C	Relative Humidity	56% RH
Calibration Procedure No	SBS/CP/MD/05 & SBS/CP/MD/29	Calibration done at	ONSITE

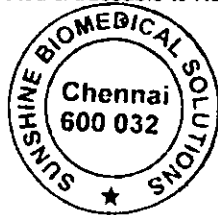
Reference Standards Details				
S.No	Description	Make/ SI No:	Certificate No	Validity
1	Vital Sign Simulator	Rigel Medical & 49K-0281	M-230809-16-1	10-08-2024
2	SPO2 Test Module	Rigel Medical & 49K-0281	M-230809-16-2	

CALIBRATION RESULTS				
S.No.	STANDARD INSTRUMENTS READINGS	DEVICE UNDER CALIBRATION READINGS	DEVIATION	EXPANDED UNCERTAINTY (±)
<b>Pulse Rate</b>				
	bpm	bpm	bpm	%
1	80	81	1	4.34
2	90	90	0	4.34
3	100	101	1	4.34
<b>Spo2 rate</b>				
	%	%	%	%
1	90	90	0	5.50
2	95	95	0	5.50
3	100	100	0	5.50

- 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, Poomagal Main Road, Ekkattuthangal, Chennai - 600 032, Tel: 044 - 2225 2087,  
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## CALIBRATION CERTIFICATE

<b>CERTIFICATE NO: SBS/CL/23/15012</b>		<b>MEDICAL DEVICES</b>	<b>Page No:1 of 1</b>	
Issue Date	18-10-2023			
SRF No & Date	SRF/23/00923-0013 & 17-10-2023			
Receipt Date	17-10-2023			
Calibration Date	17-10-2023			
Calibration Due	16-10-2024			
<b>Customer Name &amp; Address</b>				
GOVERNMENT PRIMARY HEALTH CENTRE, ARANGALDURGAM-635811, THIRUPATTUR DISTRICT.				
<b>Details of Device Under Calibration (DUC)</b>				
Description	: FLOW METER	Make & Model	: NA & NA	
Range	: 0-10 lpm	Sr. No	: NA	
Resolution	: 1 lpm	Identification No	: NA	
DUC Condition	: Satisfactory	Location	: LABOUR WARD	
<b>Environmental Conditions &amp; Calibration Procedure Details</b>				
Environmental Details	Temperature: 27.0° C	Relative Humidity	69% RH	
Calibration Procedure No	SBS/CP/MD/17	Calibration done at	ONSITE	
<b>Reference Standards Details</b>				
S.No	Description	Make/ SI No:	Certificate No	Validity
1	Gas(Air) flow analyser	TSI & 40882031004	CA 611 2307 161	10-07-2024

### CALIBRATION RESULTS

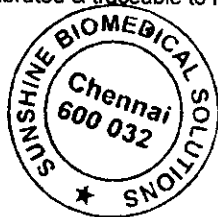
S.No.	DEVICE UNDER CALIBRATION READINGS	STANDARD INSTRUMENTS READINGS	DEVIATION	EXPANDED UNCERTAINTY (±)
<b>O2 Flow rate</b>				
	lpm	lpm	lpm	lpm
1	2	1.98	0.02	0.68
2	5	4.97	0.03	0.68
3	7	6.99	0.01	0.68

### 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**

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





## CALIBRATION CERTIFICATE

CERTIFICATE NO: SBS/CL/23/15013	MEDICAL DEVICES	Page No:1 of 1
Issue Date	18-10-2023	
SRF No & Date	SRF/23/00923-0014 & 17-10-2023	
Receipt Date	17-10-2023	
Calibration Date	17-10-2023	
Calibration Due	16-10-2024	

**Customer Name & Address**  
 GOVERNMENT PRIMARY HEALTH CENTRE,  
 ARANGALDURGAM-635811, THIRUPATTUR DISTRICT.

Details of Device Under Calibration (DUC)			
Description	: OXYGEN CONCENTRATOR	Make & Model	: BPL & OXYFLO 10D
Range	: 0-10 LPM	Sr. No	: BOC10L-AA-11641
Resolution	: 1 LPM	Identification No	: NA
DUC Condition	: SATISFACTORY	Location	: LABOUR WARD


Environmental Conditions & Calibration Procedure Details			
Environmental Details	Temperature: 25.9°C	Relative Humidity	59% RH
Calibration Procedure No	SBS/CP/MD/17	Calibration done at	ONSITE

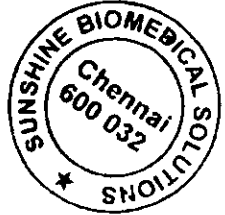
Reference Standards Details				
S.No	Description	Make/ SI No:	Certificate No	Validity
1	Air flow Analyzer	TSI & 40882031004	CA 611 2307 161	10-07-2024

CALIBRATION RESULTS				
S.No.	DEVICE UNDER CALIBRATION READINGS	STANDARD INSTRUMENTS READINGS	DEVIATION	EXPANDED UNCERTAINTY (±)
O2 Flow rate				
	lpm	lpm	lpm	lpm
1	3	2.97	0.03	0.68
2	7	6.98	0.02	0.68
3	9	8.96	0.04	0.68

**REMARKS**

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



## CALIBRATION CERTIFICATE

<b>CERTIFICATE NO:</b> SBS/CL/23/15014	<b>MEDICAL DEVICES</b>	Page No:1 of 1
Issue Date	18-10-2023	
SRF No & Date	SRF/23/00923-0015 & 17-10-2023	
Receipt Date	17-10-2023	
Calibration Date	17-10-2023	
Calibration Due	16-10-2024	

**Customer Name & Address**  
 GOVERNMENT PRIMARY HEALTH CENTRE,  
 ARANGALDURGAM-635811, THIRUPATTUR DISTRICT.

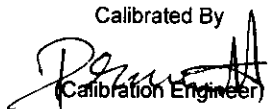
Details of Device Under Calibration (DUC)			
Description	BP APPARATUS(DIAL)	Make & Model	DIAMOND & NA
Range	0 to 300 mmHg	Sr. No	02612
Resolution	2 mmHg	Identification No	NA
DUC Condition	SATISFACTORY	Location	PN WARD

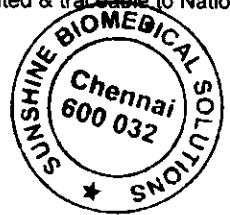
Environmental Conditions & Calibration Procedure Details			
Environmental Details	Temperature: 25.6° C	Relative Humidity	56% RH
Calibration Procedure No	SBS/CP/MD/01	Calibration done at	ONSITE

Reference Standards Details				
S.No	Description	Make/ SI No:	Certificate No	Validity
1	Vital Sign Simulator	Rigel Medical & 49K-0281	M-230809-16-1	10-08-2024

CALIBRATION RESULTS				
S.No.	DEVICE UNDER CALIBRATION READINGS	STANDARD INSTRUMENTS READINGS	DEVIATION	EXPANDED UNCERTAINTY (±)
Manometer				
	mmHg	mmHg	mmHg	mmHg
1	80	79.5	0.5	2.67
2	110	109.7	0.3	2.67
3	220	219.6	0.4	2.67
Leak Test				
	mmHg	mmHg	mmHg	mmHg
1	180	179.5	0.5	2.66

- 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



## CALIBRATION CERTIFICATE

<b>CERTIFICATE NO: SBS/GL/23/15015</b>		<b>MEDICAL DEVICES</b>		Page No:1 of 1	
Issue Date		18-10-2023			
SRF No & Date		SRF/23/00923-0016 & 17-10-2023			
Receipt Date		17-10-2023			
Calibration Date		17-10-2023			
Calibration Due		16-10-2024			
<b>Customer Name &amp; Address</b>					
GOVERNMENT PRIMARY HEALTH CENTRE, ARANGALDURGAM-635811, THIRUPATTUR DISTRICT.					
<b>Details of Device Under Calibration (DUC)</b>					
Description : BP APPARATUS(DIAL)		Make & Model : DIAMOND & NA			
Range : 0 to 300 mmHg		Sr. No : 036172			
Resolution : 2 mmHg		Identification No : NA			
DUC Condition : SATISFACTORY		Location : LABOUR WARD			
<b>Environmental Conditions &amp; Calibration Procedure Details</b>					
Environmental Details		Temperature: 25.6° C		Relative Humidity 56% RH	
Calibration Procedure No		SBS/CP/MD/01		Calibration done at ONSITE	
<b>Reference Standards Details</b>					
S.No	Description	Make/ SI No:	Certificate No	Validity	
1	Vital Sign Simulator	Rigel Medical & 49K-0281	M-230809-16-1	10-08-2024	

### CALIBRATION RESULTS

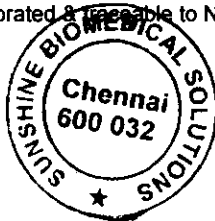
S.No.	DEVICE UNDER CALIBRATION READINGS	STANDARD INSTRUMENTS READINGS	DEVIATION	EXPANDED UNCERTAINTY (±)
<b>Manometer</b>				
	mmHg	mmHg	mmHg	mmHg
1	50	49.8	0.2	2.67
2	150	149.6	0.4	2.67
3	200	199.7	0.3	2.67
<b>Leak Test</b>				
	mmHg	mmHg	mmHg	mmHg
1	190	189.8	0.2	2.65

### REMARKS

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



## CALIBRATION CERTIFICATE

<b>CERTIFICATE NO:</b> SBS/CL/23/15016	<b>MEDICAL DEVICES</b>	Page No:1 of 1
Issue Date	18-10-2023	
SRF No & Date	SRF/23/00923-0017 & 17-10-2023	
Receipt Date	17-10-2023	
Calibration Date	17-10-2023	
Calibration Due	16-10-2024	

**Customer Name & Address**  
GOVERNMENT PRIMARY HEALTH CENTRE,  
ARANGALDURGAM-635811, THIRUPATTUR DISTRICT.

### Details of Device Under Calibration (DUC)

Description	: BP APPARATUS(LED)	Make & Model	: DIAMOND & BPDG141
Range	: 0 to 300 mmHg	Sr. No	: 03816
Resolution	: 2 mmHg	Identification No	: NA
DUC Condition	: SATISFACTORY	Location	: OPD

### Environmental Conditions & Calibration Procedure Details

Environmental Details	Temperature: 25.6° C	Relative Humidity	56% RH
Calibration Procedure No	SBS/CP/MD/01	Calibration done at	ONSITE

### Reference Standards Details

S.No	Description	Make/ SI No:	Certificate No	Validity
1	Vital Sign Simulator	Rigel Medical & 49K-0281	M-230809-16-1	10-08-2024

### CALIBRATION RESULTS

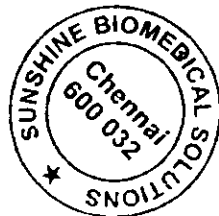
S.No.	DEVICE UNDER CALIBRATION READINGS	STANDARD INSTRUMENTS READINGS	DEVIATION	EXPANDED UNCERTAINTY (±)
<b>Manometer</b>				
	mmHg	mmHg	mmHg	mmHg
1	80	79.8	0.2	2.67
2	160	159.8	0.2	2.67
3	240	239.7	0.3	2.67
<b>Leak Test</b>				
	mmHg	mmHg	mmHg	mmHg
1	170	169.8	0.2	2.65

### REMARKS

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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

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## CALIBRATION CERTIFICATE

<b>CERTIFICATE NO: SBS/CL/23/15017</b>		<b>MEDICAL DEVICES</b>		Page No:1 of 1	
Issue Date		18-10-2023			
SRF No & Date		SRF/23/00923-0018 & 17-10-2023			
Receipt Date		17-10-2023			
Calibration Date		17-10-2023			
Calibration Due		16-10-2024			
<b>Customer Name &amp; Address</b>					
GOVERNMENT PRIMARY HEALTH CENTRE, ARANGALDURGAM-635811, THIRUPATTUR DISTRICT.					
<b>Details of Device Under Calibration (DUC)</b>					
Description : BP APPARATUS(DIAL)		Make & Model : DIAMOND & NA			
Range : 0 to 300 mmHg		Sr. No : 036457			
Resolution : 2 mmHg		Identification No : NA			
DUC Condition : SATISFACTORY		Location : IPD			
<b>Environmental Conditions &amp; Calibration Procedure Details</b>					
Environmental Details		Temperature: 25.6° C		Relative Humidity 56% RH	
Calibration Procedure No		SBS/CP/MD/01		Calibration done at ONSITE	
<b>Reference Standards Details</b>					
S.No	Description	Make/ SI No:	Certificate No	Validity	
1	Vital Sign Simulator	Rigel Medical & 49K-0281	M-230809-16-1	10-08-2024	

### CALIBRATION RESULTS

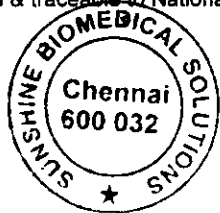
S.No.	DEVICE UNDER CALIBRATION READINGS	STANDARD INSTRUMENTS READINGS	DEVIATION	EXPANDED UNCERTAINTY (±)
<b>Manometer</b>				
	mmHg	mmHg	mmHg	mmHg
1	50	49.9	0.1	2.67
2	100	99.8	0.2	2.67
3	200	199.7	0.3	2.67
<b>Leak Test</b>				
	mmHg	mmHg	mmHg	mmHg
1	190	189.8	0.2	2.65

### 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)  
P.PRASANNA



Authorised Signatory

 Technical Manager  
(C.SHANMUGARA)  Chief Executive

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## CALIBRATION CERTIFICATE

CERTIFICATE NO: SBS/CL/23/15018	MEDICAL DEVICES	Page No:1 of 1
Issue Date	18-10-2023	
SRF No & Date	SRF/23/00923-0019 & 17-10-2023	
Receipt Date	17-10-2023	
Calibration Date	17-10-2023	
Calibration Due	16-10-2024	

**Customer Name & Address**  
GOVERNMENT PRIMARY HEALTH CENTRE,  
ARANGALDURGAM-635811, THIRUPATTUR DISTRICT.

<b>Details of Device Under Calibration (DUC)</b>			
Description	: OXYGEN CONCENTRATOR	Make & Model	: BPL & OXYFLO 10D
Range	: 0-10 LPM	Sr. No	: BOC10L-AA-16384
Resolution	: 1 LPM	Identification No	: NA
DUC Condition	: SATISFACTORY	Location	: IPD

<b>Environmental Conditions &amp; Calibration Procedure Details</b>			
Environmental Details	Temperature: 25.9°C	Relative Humidity	59% RH
Calibration Procedure No	SBS/CP/MD/17	Calibration done at	ONSITE

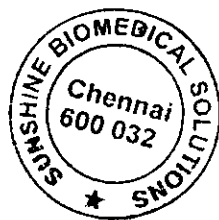
<b>Reference Standards Details</b>				
S.No	Description	Make/ SI No:	Certificate No	Validity
1	Air flow Analyzer	TSI & 40882031004	CA 611 2307 161	10-07-2024

<b>CALIBRATION RESULTS</b>				
S.No.	DEVICE UNDER CALIBRATION READINGS	STANDARD INSTRUMENTS READINGS	DEVIATION	EXPANDED UNCERTAINTY (±)
<b>O2 Flow rate</b>				
	lpm	lpm	lpm	lpm
1	2	1.97	0.03	0.68
2	5	4.98	0.02	0.68
3	7	6.98	0.02	0.68

- 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.
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  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

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## CALIBRATION CERTIFICATE

CERTIFICATE NO: SBS/CL/23/15019	MEDICAL DEVICES	Page No:1 of 1
Issue Date	18-10-2023	
SRF No & Date	SRF/23/00923-0020 & 17-10-2023	
Receipt Date	17-10-2023	
Calibration Date	17-10-2023	
Calibration Due	16-10-2024	

### Customer Name & Address

GOVERNMENT PRIMARY HEALTH CENTRE,  
ARANGALDURGAM-635811, THIRUPATTUR DISTRICT.

### Details of Device Under Calibration (DUC)

Description	INFANT WARMER	Make & Model	NICE NEOTECH & 2007S
Range	32-38 °C	Sr.No	181904000094
Resolution	0.1 °C	Identification No	NA
DUC Condition	Satisfactory	Location	LABOUR WARD

### Environmental Conditions & Calibration Procedure Details

Environmental Details	Temperature: 26.7°C	Relative Humidity	56%Rh
Calibration Procedure No	SBS/CP/MD/18	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

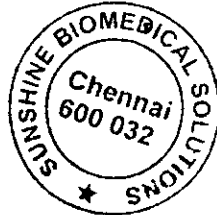
S.No.	DEVICE UNDER CALIBRATION READINGS	STANDARD INSTRUMENTS READINGS	DEVIATION	EXPANDED UNCERTAINTY (±)
	°C	°C	°C	°C
1	32.0	31.8	0.2	0.6
2	34.0	33.7	0.3	0.6
3	36.0	35.9	0.1	0.6

### REMARKS

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- The results stated in this certificate relate only to the item calibrated.
- The indicated uncertainties are expanded uncertainty estimated for a confidence level of approximately 95% for a coverage factor k=2.00.
- Equipment used for Calibration were calibrated & traceable to National & International Standards.
- Temperature Scale: International Temperature Scale, 1990 (ITS-90)

Calibrated By

  
(Calibration Engineer)  
P.PRASANNA



Authorised Signatory

  
 Technical Manager  
(C.SHANMUGARAJ)

Chief Executive

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