

CALIBRATION CERTIFICATE

Page No. 1 of 1

Certificate No: SBS/CI/22/12803
Customer Name & Address

GOVERNMENT PRIMARY HEALTH CENTRE
MUDIYATHANENTHAL THOOTHUKUDI-678107.

SRI No.	SRI 22/12/12803
SRI Date	11-11-2022
Date of Receipt	10-11-2022
Date of Calibration	11-11-2022
Due Date for Calibration	10-11-2023
Issue Date	11-11-2022

Details of Unit Under Calibration

Description	Macro Pipette	Make	THEBMO CENTRI X
Range	10-100ul	Model	INSOPIPETTE 12
Resolution	0.2ul	Material	PVC
Serial Number	RW10731	Operating Range	
ID Number		Condition of UUC	Good
Cal. At	Mechanical Lab	Instrument Location	LABORATORY

Environmental Condition

Temperature (°C)	21.2	Humidity (%RH)	52	National / International Standard	ISO 9001:2015
Atmospheric Pressure (mbar)	1039	Water Temperature (°C)	21.0	Cal Procedure No	SBS-C7/54L/06

Calibration Method Used

Standard Used	Sl. No.	Description	ID.No. / Sl. No.	Certificate No.	Make/Model	Traceability	Valid till
		Electronic Weigh Micro Balance	15172918	TVCSP/21/12-1587-01	A&D & GH-252	National Standards	10-12-2022

Z Factor: 1.00319

Result of Calibration in µl

Sl. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (z)
1	10	9.87	9.86	9.87	9.86	9.87	9.86	-0.14	0.01	0.47
		9.86	9.82	9.86	9.87	9.86				
2	50	49.45	49.47	49.48	49.47	49.46	49.46	-0.52	0.01	0.47
		49.47	49.48	49.48	49.49	49.49				
3	100	99.57	99.58	99.59	99.57	99.58	99.58	-0.60	0.04	0.47
		99.42	99.42	99.44	99.44	99.45				

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

U. J. Jayaraj
Calibration Engineer
RYAZINIYAN

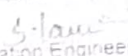
Authorised by:
D. V. Selvi
Quality Manager, Chief Executive
D.VETRI SELVI

CALIBRATION CERTIFICATE

CERTIFICATE NO:	SBS/CL/22/12800	MECHANICAL		
Issue Date	10-11-2022			
SRF No & Date	SRF/22/00277-0019 & 08-11-2022			
Receipt Date	08-11-2022			
Calibration Date	08-11-2022			
Calibration Due	07-11-2023			
Customer Name & Address				
GOVERNMENT PRIMARY HEALTH CENTRE MUDIVAITHANENTHAL THOOTHUKUDI-629102				
Details of Device Under Calibration (DUC)				
Description	CENTRIFUGE	Make & Model LABOTECH & BDI-152		
Range	3500 RPM	Sr. No NA		
Resolution	1 RPM	Identification No		
DUC Condition	Satisfactory	Location LABORATORY		
Environmental Conditions & Standard Operating Procedure Details				
Environmental Details	Temperature 24.3°C	Relative Humidity 54% Rh		
Calibration Procedure No	SBS/CP/ML/04	Calibration done at ONSITE		
Reference Standards Details				
S No	Description	Make/ Sr No	Certificate No	Validity
1	Digital Tachometer	LINE SEIKI / 175-0034V	TMS/21/257 02	11-11-2022

CALIBRATION RESULTS				EXPANDED UNCERTAINTY (±)
S No	DEVICE UNDER CALIBRATION	STANDARD INSTRUMENTS	DEVIATION	%
	RPM	RPM	RPM	
1	3500	3491	-9	4.3

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 - Equipment used for Calibration were calibrated & traceable to National & International Standards

Calibrated By

 (Calibration Engineer)
 S LAKSHMANAN MURUGAN

Quality Manager
 (D VETRI SELVI)
 Chief Executive
 Authorised Signatory



CALIBRATION CERTIFICATE

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MEDICAL DEVICES

CERTIFICATE NO: SBS/CL/22/12802

10-11-2022
SRF/22/00277.0021 & 08-11-2022
08-11-2022
08-11-2022
07-11-2023

Issue Date
SRF No & Date
Receipt Date
Calibration Date
Calibration Due

Customer Name & Address

GOVERNMENT PRIMARY HEALTH CENTRE,
MUDIVAITHANENTHAL THOOTHUKUDI-628102.

Details of Device Under Calibration (DUC)

Description	EGG MACHINE	Make & Model	TECHNOCARE & TM-3E
Range	MULTI RANGE	Sr No	TM2020082105
Resolution	MULTI RESOLUTION	Identification No	
DUC Condition	SATISFACTORY	Location	AE WARD

Environmental Conditions & Calibration Procedure Details

Environmental Details	Temperature 25.3° C	Relative Humidity	52% RH
Calibration Procedure No	SBS/CP/MD/02 & SBS/CP/MD/25	Calibration done at	ONSITE

Reference Standards Details

S No	Description	Make/ SI No:	Certificate No	Validity
1	Defibrillator Analyzer	Fluke/3581001	ACCS221225	24-05-2023
2	Electrical Safety Analyser	Fluke/2244202	ACCS221224	

CALIBRATION RESULTS

S No.	STANDARD INSTRUMENTS READINGS	DEVICE UNDER CALIBRATION READINGS	DEVIATION	EXPANDED UNCERTAINTY (±)
ECG-Heart Rate				
	bpm	bpm	bpm	%
1	60	60	0	2.40
2	90	89	-1	2.40
3	100	100	0	2.40
ELECTRICAL SAFETY				
S.no	Specification	Measured values in Ω	Allowable limit in Ω	Uncertainty in Ω (±)
1	Earth Resistance	0.282	<2Ω	0.82
		Measured values in MΩ	Allowable limit in MΩ	Uncertainty in % (±)
2	Insulation Resistance	78	>20MΩ	13.92
		Measured values in μA	Allowable limit in μA	Uncertainty in % (±)
3	Earth Leakage	104	<10000μAfor B,BF,CF	14.1
		Measured values in μA	Allowable limit in μA	Uncertainty in % (±)
4	Patient Leakage	45	<100μAfor B,BF,<10μAfor CF	5.7
		Measured values in μA	Allowable limit in μA	Uncertainty in % (±)
5	Enclosure Leakage	2*3	<500μAfor B,BF,CF	6.9

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S. LAKSHMANAN MURUGAN
Calibration Engineer



Quality Manager
(D VETRI SELVI)

Authorised Signatory

Chief Executive

SUNSHINE BIOMEDICAL SOLUTIONS

No:68, First floor, Poomagal Main Road, Ekkattuthangal, Chennai - 600 032, Tel: 044 - 2225 2087.



ORION DIAGNOSTICS

308, Shooting Range West Side. Madurai Road, Poovani.

Srivilliputtur - 626 125. Virudhunagar Dist.

GSTIN : 33CIGPS9450J1ZS

Cell : 93644 33099, 93600 33099

Date :

Certificate of Calibration

Model Name: Prietest Touch

Date of Calibration: 07.07.2022

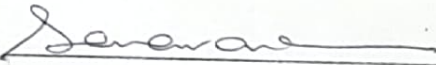
Sr. No.: AT3790509RBK

Due Date of Calibration: 06.07.2023

THE MEDICAL OFFICER ,
GOVERNMENT PRIMARY HEALTH CENTER,
MUDIVAITHANENDAL.

Calibrated by:

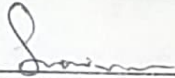
Name: K.SARAVANAN.

Sign: 

Date: 07.07.22

Approved by:

Name: P.SRINIVASAN.

Sign: 

Date: 07.07.22



ORION DIAGNOSTICS

308, Shooting Range West Side. Madurai Road, Poovani.
Srivilliputtur - 626 125. Virudhunagar Dist.

GSTIN : 33CIGPS9450J1ZS

Cell : 93644 33099, 93600 33099

Model Name: Prietest Touch

Date :
Sr. No: AT3790509RBK

Wavelength	Film type	Range	Absorbance Obtained
340 nm	HP	0.333-0.361	0.334
	DP	1.164-1.253	1.167
		1.650-1.700	1.669

	Film type	Range	Absorbance Obtained
405 nm	DP	0.661-0.708	0.661
	3DP	1.943-2.098	1.950
	TP	1.006-1.077	1.015
	2TP	1.932-2.099	1.956

Wavelength	Film type	Range	Absorbance Obtained
510 nm	HP	0.161-0.173	0.165
	DP	0.647-0.695	0.659
	3DP	1.910-2.081	1.911
	TP	0.969-1.036	0.981

Wavelength	Film type	Range	Absorbance Obtained
545nm	HP	0.154-0.165	0.158
	SP	0.304-0.321	0.316
	DP	0.595-0.629	0.599
	TP	0.903-0.956	0.916

Wavelength	Film type	Range	Absorbance Obtained
578nm	DP	0.576-0.616	0.581
	3DP	1.657-1.857	1.671
	TP	0.867-0.922	0.873
	3TP	2.549-2.738	2.556

Wavelength	Film type	Range	Absorbance Obtained
630nm	HP	0.162-0.176	0.163
	DP	0.653-0.712	0.658
	TP	1.043-1.116	1.050
	2TP	2.009-2.166	2.020

Calibrated By: K.SARAVANAN	Signature:	Date: 07.07.22
Approved By: P.SRINIVASAN	Signature:	Date: 07.07.22