

				CALIBE	RATION CE	RTIFI	CATE	
CER	TIFICATE N	NO: SB	S/CL/23/05789			MEDICAL DE	VICES	Page No:1 of 1
Issue	Date				10-05-2023			
SRF No & Date					SRF/23/00190-0	0001 & 09-05	-2023	
Receipt Date					09-05-2023			
Calibration Date					09-05-2023			
Calibration Due					08-05-2024			
	mer Name							
GOV	ERNMENT	PRIMA	ARY HEALTH CE	NTER,				
MAR	UDHUR-62	1710,A	NDIMADAM TAL	JK,ARIYALUF	R DISTRICT.			
				Detai	ls of Device Under C	alibration (DI	JC)	
Desci	iption		SEMI AUTO ANA	LYZER	Make & Model		ROBONIK & PRIETES	ST TOUCH
Rang	The contract of the contract o	3			Sr. No		AT1141114RBK	
Resol		1			Identification No			
DUC	Condition		SATISFACTORY		Location	ANY :	LABORATORY	
				Environmenta	I Conditions & Calib	ration Proce	dure Details	
Envir	nmental De	tails	Tempera	ure: 25.6°C	Relative Hu	midity	54% RH	
Calibr	ation Proced	ture No	SBS/CP/I	MD/20	Calibration	done at	ONSITE	
				William W	Reference Standar	ds Details	- Million	
S.No	Description	n		Make/ SI I	No:	Certificate	No	Validity
	Electrical S	ofatu Ar	alveor	Pigel Med	ical & 44L-1059	TSC/22-23	77400 3	10-08-2023

ELECTRICAL SAFETY

RESULTS

S.no	SPECIFICATION	MEASURED VALUES	EXPANDED UNCERTAINTY (±)
1	Insulation Resistance	Measured values in MΩ	Uncertainty in % (±)
	>20MΩ	96	13.92
2	Earth Leakage	Measured values in μA	Uncertainty in % (±)
	<5000µAfor B,BF,CF	208	7.2
3	Enclosure Leakage	Measured values in µA	Uncertainty in % (±)
	<500µAfor B,BF,CF	221	6.4

REMARKS

- 1. 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.
- 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) S.MURALI



- DVS
Quality Manager
(D.VETRI SELVI)

Chief	Executive



		CALIE	BRATIO	V CERT	IFICAT	E	
CERTIFICATE NO:	SBS/CL/	23/05790		N	IECHANICAL		Page No:1 of 1
Issue Date			10-05	-2023		.,	
SRF No & Date			SRF/2	23/00190-000	2 & 09-05-202	3	
Receipt Date			09-05	-2023			
Calibration Date			09-05	-2023			
Calibration Due			08-05	-2024			
Customer Name & Ac	dress						
GOVERNMENT PRI	MARY HEALTH	CENTER,					
MARUDHUR-621710	,ANDIMADAM	TALUK, ARIY	ALUR DISTRIC	Т.			
		Deta	ails of Device L	Inder Calibra	tion (DUC)		
Description :	CENTRIF	FUGE	Make	& Model			
Range :	350	0 RPM	Sr. No	5	:		
Resolution :	1	0 RPM	Identi	fication No	-		
DUC Condition	Satisfacto	ory	Locat	ion -		LABORATORY	(
	Env	ironmental C	onditions & St	andard Oper	ating Procedu	ure Details	
Environmental Detail	S	Temperature	e: 25.2°C	Relative H	lumidity	56% Rh	
Calibration Procedur	e No	SBS/CP/ML	/04	Calibration	n done at	ONSITE	
		William Production of the Party	Reference S	tandards De	tails	Hall water to the same of the	
						/ N/8-3	
S.No Description			Make/ SI No:		Certificate	No	Validity

S.No	DEVICE UNDER CALIBRATION	STANDARD INSTRUMENTS	DEVIATION	EXPANDED UNCERTAINTY (±)		
	RPM	RPM	RPM	%		
1	1000	998.4	1.6	4.2		
2	2000	1998.4	1.6	4.2		
3	3000	2998.2	1.8	4.2		

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

Calibrated By		A	uthorised Signatory
(Calibration Engineer) S.MURALI	Chennai 600 032	Quality Manager (D.VETRI SELVI)	Chief Executive



			CAL	IBRAT	TION C	ERTIF	ICATE			
Certifica	ite No: SBS/CL/23/05826									Page. No: 1 of 1
Custome	er Name & Address									
						SRF No.			SRF/23/0019	0-0011
GOVER	NMENT PRIMARY HEALTH C	ENTER,				SRF Dat	te		11-05-2023	
MARUDHUR-621710,ANDIMADAM TALUK,ARIYALUR DISTRICT.						Date of	Receipt		10-05-2023	
						Date of	Calibration		11-05-2023	
						Due Dat	te for Calibration		10-05-2024	
						Issue Da	ate		11-05-2023	
Details o	of Unit Under Calibration									
Descript	escription Micro Pipette				Make	Make			MICROLUX	
Range		100-1000	μl	10.		Model	Model			
Resolutio	on	10µl				Material			PVC	
Serial N	umber					Operatir	ng Range			
ID Numl	ber					Conditio	on of UUC		Good	
Cal. At		Mechani	cal Lab		- 11117 - 24	Instrume	ent Location		LABORATO	RY
	Enviror	mental Co	ondition				Calibra	tion Meth	od Used	
Гетрега	ture (°C)	23.9	Humidity	(%RH)	55	National	National / International Standard		ISO 8655-6:2002	
Atmospheric Pressure (mbar) 10		1006	06 Water Temperature (°C)		21.6	Cal Proc	Cal Procedure No		SBS/CP/ML/0)8
Standard	Used				(4)		Minimum			
SI. No.	Description	ID.No	o. / SI. No.		Certificate 1	No.	Make/Model	Tra	ceability	Valid till
1	Electronic Weighing Balance	15	112918	TV	CSPL22/12/2	115-01	A&D & GH-252	Nation	al Standards	09-12-2023

				Result o	of Calibration	in µl						
Sl. No.	Nominal Value		Ol	oserved Read	lings		Mean Value	Systemati c Error	Random Error	Measurement Uncertainty (±)		
1 100	99.85	99.85	99.85	99.85	99.95	00.00	0.40		w 400			
	100	99.90	99.95	99.90	99.80	99.90	99.88	-0.12	0.05	0.47		
2	500	499.90	499.95	499.90	499.90	499.95	499.88					
2 500	. 300	499.80	499.80	499.85	499.85	499.90		-0.12	0.05	0.47		
3	1000	999.80	999.80	999.80	999.85	999.90						
3 1000	1000	999.90	999.90	999.90	999.90	999.95	999.87	-0.13	0.05	0.47		

Remarks

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- 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.

600 032

7. Calibration Liquid Used: Distilled or Deionized wash conforming Grade3 as specified in ISO 3696.

Calibrated By,

(Calibration Engineer) RYAZINIYAN

Authorised by:

(Quality Manager/Chief Executive) D.VETRI SELVI

SUNSHINE BIOMEDICAL SOLUTIONS



		CALIBRAT	TION C	CERTIFICATE	
Certificate No: SBS/CL/23/05827					Page, No: 1 of 1
Customer Name & Address					
				SRF No.	SRF/23/00190-0012
GOVERNMENT PRIMARY HEALT	TH CENTER,			SRF Date	11-05-2023
MARUDHUR-621710, ANDIMADA	M TALUK,AI	RIYALUR DISTRICT.	Date of Receipt	10-05-2023	
				Date of Calibration	11-05-2023
				Due Date for Calibration	10-05-2024
				Issue Date	11-05-2023
Details of Unit Under Calibration					
Description	Micro F	Pipette		Make	MICROLUX
Range	5-50µl	- Oh		Model	
Resolution	1μ1			Material	PVC
Serial Number				Operating Range	
ID Number			4000	Condition of UUC	Good
Cal. At	Mechar	nical Lab	W. A	Instrument Location	LABORATORY
En	vironmental (Condition		Calibration M	ethod 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/MIL/08
Standard Used				31	

5	ta	n	da	rc	1	U	se	d

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	Systemati c Error	Random Error	Measurement Uncertainty (±)
1	10	9.87	9.86	9.87	9.87	9.88	9.87	-0.13	0.01	0.47
		9.88	9.86	9.87	9.88	9.89				
2	30	29.76	29.77	29.78	29.79	29.76	29.78	-0.22	0.01	0.47
		29.77	29.78	29.79	29.78	29.78				
3	50	49.88	49.87	49.88	49.87	49.88	49.87	-0.13	.0.01	0.47
		49.87	49.86	49.86	49.87	49.88				

Remarks

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- 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 materials Grade3 as specified in ISO 3696.

Calibrated By,

(Calibration Engineer)
RYAZINIYAN

Chennai 600 032

Authorised by:

Quality Manager/Chief Executive)
D.VETRI SELVI

SUNSHINE BIOMEDICAL SOLUTIONS