

			CALIL	BRATI	ON CEI	RTIFICA	\TE			
CER'	TIFICATE NO:	SBS/CL/				MECHANIC		D. N		
Issue	Date				 19-10-2023	Page No	0:1 of 1			
SRF	No & Date			SRF/23/00931-0001 & 18-10-2023						
Rece	ipt Date			1	8-10-2023	00010110-10	-2023			
Calibi	ration Date				8-10-2023					
	ation Due		_		7-10-2024					
	mer Name & Addres				LULY					
GOVE	ERNMENT PRIMAR	RY HEALTH	CENTRE,	*						
PUDL	CHATRAM-60850	1,CUDDALC	ORE DISTRIC	ET.						
	_		Deta	ils of Devi	ce Under Cali	bration (DUC				
Descr		CENTRIF			fake & Model	:	LABOTECH &	BD-153		
Range	•		3500 RPM	s	r. No	:	76333			
Resolu			1 RPM	lo	lentification No	:	NA			
DUC (Condition :	<u>Satisfacto</u>		<u> L</u>	Location : LABORAT			•		
Cardaa		Envir	onmental Co	onditions &	Standard Op	erating Proc	edure Details	<u> </u>		
	nmental Details		Temperature	e: 25.5°C	Relative H	umidity	52%Rh			
Calibra	ation Procedure No		SBS/CP/ML/	/04	Calibration	done at	ONSITE			
				Reference	e Standards I	Details				
S.No	Description			Make/ SI I	No:	Certificate	No		Validity	
1	Digital Tachometer	_		LINE SEIK	(I / 175-0034V	JRPM-CCTI	R-A&S-2023-0013	09-06-2024		
ALIB	RATION RESULTS	3								

S.No	DEVICE UNDER CALIBRATION	STANDARD INSTRUMENTS	DEVIATION	EXPANDED UNCERTAINTY
	RPM	RPM	RPM	9/
111	1000	999.0	10	76
_2	1500	1499.5	0.5	4.2
		 		4.2

0.5

REMARKS

3

1. This Calibration certificate shall not be reproduced except in full, without written approval of the laboratory.

2999.5

- 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

3000



Authorised Signatory

(Quality Manager) (Chief Executive)

(C.SIVABALAN)

4.2

SUNSHINE BIOMEDICAL SOLUTIONS



_			<u> IBRAT</u>	<u> 101</u>	I CERT	TIFIC.	ATE			
CER	TIFICATE NO: SBS/CL/23	/15047		T	M	EDICAL	DEVICES	Page No:1 of 1		
Issue	e Date			19-10-2023						
	No & Date			SRF/23/00931-0002 & 18-10-2023						
Rece	eipt Date				0-2023	10	10 2020			
Calib	ration Date			18-10)-2023					
	ration Due			1)-2024					
	omer Name & Address									
GOV	ERNMENT PRIMARY HEA	LTH CENTR	E,			 -				
PUD	UCHATRAM-608501,CUD	DALORE DIS	TRICT.							
			Details of De	vice U	nder Calibrat	ion (DUC	<u> </u>			
_		TRICAL								
	ription : SAFE1	TY(MICROSC	OPE)	Make	& Model	:	LABOMED & NA			
Range		!		Sr. No)	:	221144592			
Resol	lution : MUL TI			Identif	ication No	:	NA			
DUC	Condition : SATIS	FACTORY		Locati		:	LABORATORY			
			mental Condi	tions &	. Calibration	Procedu	re Details			
	onmental Details	Temperature	<u> </u>	Relative Humidity			52% RH			
Calibr	ration Procedure No	SBS/CP/MD/	29	Calibration done at			ONSITE			
			Refere	nce St	andards Det	ails				
S.No	Description		Make/ SI No:	:		Certifica	te No	Validity		
1	Electrical Safety Analyser		Rigel Medical				9-16-4	10-08-2024		
			FLE	FCTRI	CAL SAFETY					
RESI	JLTS				- CAPETT					
900	SPECIEICATION	NI .								
	SPECIFICATION		1	MEASU	JRED VALUE	s	EXPANDED UNC	ERTAINTY (±)		
S.no 1	Insulation Resisita			_	d values in I					
1_	Insulation Resisita >20MΩ	ance	M	easure	ed values in I	MΩ	EXPANDED UNC Uncertainty 13.9	in % (±)		
	Insulation Resisite >20MΩ Earth Leakage	ance	M	easure	87 ed values in I	MΩ	Uncertainty	in % (±)		
1_	Insulation Resisita >20MΩ Earth Leakage <5000μAfor B,BF,	ance CF	M	easure leasure	87 ed values in I 195	JA	Uncertainty 13.9 Uncertainty 9.3	in % (±) 22 in % (±)		
2	Insulation Resisite >20MΩ Earth Leakage	ance CF	M	easure leasure	87 ed values in I	JA	Uncertainty 13.9 Uncertainty	in % (±) 22 in % (±) 3 in % (±)		

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Authorised Signatory

Chief Executive

Technical Manager

(C.SHANMUGARAJ)

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

BIOMEDIC

Chennai

600 032

Calibrated By

(Calibration Engineer)

P.PRASANNA

Dousand



			C	ALIBR	ATION	CERT	IFICATE			<u> </u>	
Certifica	ate No: SBS/CL/23/1504	8					, , , , , , , , , , , , , , , , , , ,			Page, No; 1 of 1	
Custom	er Name & Address						<u> </u>			1 mge: (40 ; 1 ()) 1	
GOVER	NMENT PRIMARY HEA	ALTH CEN	TRE,			SRF No.			SRF/23/00931-0003		
PUDUC	HATRAM-608501,CUD	DALORE D	ISTRICT.			SRF Dat	e		18-10-2023		
						Date of I	Receipt		18-10-2023		
						Date of 6	Calibration		18-10-2023		
						Due Dat	e for Calibration		17-10-2024		
	<u></u>					Issue Da	te		19-10-2023		
Details o	of Unit Under Calibration	on							<u> </u>		
Descript	tion	Micro Pipe	ette			Make	Make				
Range		10-100μl				Model	Model				
Resolutio	on	1µl				Material	Material				
Serial N	umber	NA				Operatin	g Range		10-100µl		
ID Numl	ber	NA			<u> </u>		n of UUC		Good		
Cal. At		Mechanica	l Lab				nt Location		LABORATORY		
	Envi	ironmental	Condition	 ,		T	Calibrat	tion Methe	od Used		
Tempera	iture (°C)	23.9	Humidity	(%RH)	55	National	/ International Stand		ISO 8655-6:2	002	
Atmospheric Pressure (mbar) 1006 Water Temperate				erature (°C)	21.6	Cal Proce	Cal Procedure No			SBS/CP/MIL/08	
Standard	Used		<u> </u>						<u> </u>		
SI. No.	Description	ID.No.	/ SI. No.	-	Certificate No).	Make/Model	Trac	eability	Valid till	
1	Electronic Weighing Balance	1511	2918		SPL22/12/211	· · - ·	A&D & GH-252	l Standards	09-12-2023		

	Z Factor: 1.00 Result of Calibration in μl													
Sl. No.	Nominal Value		0	bserved Read	lings		Mean Value	Systemati c Error	Random Error	Measurement Uncertainty (±)				
1	10	9,94	9.97	9.94	9.96	9.93	9.95	5 -0.05	0.02	0.47				
		9.98	9.95	9.92	9.97	9.96								
2	50	49.85	49.86	49.87	49.82	49.83	<u>- </u>			0.47				
	- 30 	49.87	49.85	49.82	49.89	49.87	49.85	-0.15	0.02					
3	100	99.85 99.87 99.85 99.84 99.95												
	150	99.89	99.95	99.90	99.87	99.90	99,89	-0.11	0.04	0.47				

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. OMEDICATION OF THE AS SPECIFIED IN ISO 3696.

600 032

7. Calibration Liquid Used: Distilled or Deionized

Chennai

Calibrated By,

M. Adkubane (Calibration Engineer) M.ADHIBAN

Authorised by: C.SIVABALAN

SUNSHINE BIOMEDICAL SOLUTIONS

No:68, First Floor, Poomagal Main Road, Ekkattuthangal, Chennai - 600 032, Tel: 044 - 2225 2087, E-Mail: calibration @ sunshine biomedical.com, Website: www.sunshine biomedical.com.



			C	ALIBR	ATION	CERT	IFICATE			
	cate No: SBS/CL/23/150	49					HIDAIL			
Custon	ner Name & Address				· · - · · · · · · · · · · · · · ·					Page. No: 1 of 1
GOVER	COVERNMENT PRIMARY HEALTH CENTRE,								SRF/23/009	21 0004
PUDUCHATRAM-608501,CUDDALORE DISTRICT.						SRF Dat			18-10-2023	
						Date of			+	
									18-10-2023	
						-	Calibration		18-10-2023	
						Due Dat	e for Calibration		17-10-2024	
Detaile	of Unit Under Calibrat		<u> </u>		· <u> </u>	Issue Da	ite		19-10-2023	
Descrip										
<u>-</u>		Micro Pipe				Make		MICROLUX		
Range Resoluti		100-1000μ1					Model			
		10μ1				Material			PVC	
Serial N		NA				Operatin	ig Range		100-1000µ1	
D Num	ber	NA				Conditio	n of UUC		Good	
al. At		Mechanical	Lab			Instrume	nt Location		LABORATORY	
	E	ironmental (LABORATO	
		1 	Condition		, 		Calibra	ion Meth	od Used	
Temperature (°C) 23.9		23.9	Humidity	(%RH)	55	National / International Standard		ard	ISO 8655-6:2002	
Atmospheric Pressure (mbar) 1006		1006	Water Temperature (°C) 21.6		Cal Procedure No			SBS/CP/ML/08		
tandard	Used					<u> </u>			<u> </u>	
SI. No.	Description	ID.No./	SI. No.	(Certificate No.		Make/Model	Trac	eability	7, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,
1	Electronic Weighing	15112	918	TVC	SPI 22/12/2115	01	AAT A TOUR	rac	.еаршту	Valid till

31. 140.	Description	ID.No. / SI. No.	Certificate No.	Make/Model	77. 11	
i	Electronic Weighing			tviake/iviouel	Traceability	Valid till
	Balance	15112918	TVCSPL22/12/2115-01	A&D & GH-252	National Standards	09-12-2023
_						07-12-2023
ſ			_		7 Foston	1 00010

				Res	ult of Calibr	ation in µl			_	Z Factor: 1.003
Sl. No.	Nominal Value Observed Readings				Mean Value	Systemati c Error	Random Error	Measurement Uncertainty (±)		
1	100	99.85	99.87	99.85	99.84	99.95	-			0.47
		99.89	99.95	99.90	99.87	99.90	99.89	-0.11	0.04	
2	500	499.90	499.95	499.90	499.90	499.95				0.47
		499,89	499.88	499.85	499.85	499.90	499.90	-0.10	0.03	
3	1000	999.89	999.88	999.89	999.87	999.90	 	 		
		999.93	999.90	999.91	999.94	999.95	999.91	-0.09	0.03	0.47

Remarks

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- 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.

Chennai

600 032

7. Calibration Liquid Used: Distilled or Deionized water conforming to de3 as specified in ISO 3696.

Calibrated By,

(Calibration Engineer) M.ADHIBAN

Authorised by:

Quality Manager Ches 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.