

				CALI	BRAT	101	CERT	ΓΙΕΙC	A 7	<u>E</u>		
CERT	IFICATE I	NO: SB	S/CL/23/	13840			M	EDICAL	DEV	ICES	Page N	o:1 of 1
Issue	Date					09-1	0-2023			<u> </u>		
SRF I	No & Date					SRF/23/00825-0001 & 09-10-2023						
Recei	pt Date					09-10	0-2023					
Calibr	ration Date	•				09-10	0-2023					
Calibr	ration Due	<u>.</u>				08-1	0-2024					
Custo	omer Nam	e & Ad	dress			•						·
GOVE	RNMANT	PRIM/	ARY HEA	LTH CENTRE								
DHAF	RMATHUP	ATTI-6	25536,TH	ENI DISTRIC	T.							
					Details of De	vice L	nder Calibra	tion (DUC	;)			
Descri	ption	:	SEMI A	UTO ANALYZI	: Make & Model				ROBONIK & PRIETES	T TOUCH		
Range)	:	MULTI			Sr. N	o	:		ATCD3581220RBK		
Resolu	ution	:	MULTI			Identi	fication No	:		NA		
DUC (Condition	:	SATISI	ACTORY		Locat	ion	:		LAB		
				Environn	nental Condi	tions	& Calibration	Procedu	re De	tails		_
Enviro	nmental De	tails		Temperature:2	5.6 ° C		Relative Hum	nidity		52% RH		-
Calibration Procedure No SBS/CP/MD/20					Calibration done at ONSITE							
					Refere	ence S	tandards Det	ails				
S.No	.No Description Make/ S			Make/ SI No:			Certifica	ate N	0	V	alidity	
1	1 Electrical Safety Analyser Rigel Me			Rigel Medica	cal & 44L-1059 M-230809-1			9-16	9-16 -4		0-08-2024	

ELECTRICAL SAFETY

RESULTS

S.no	SPECIFICATION	MEASURED VALUES	EXPANDED UNCERTAINTY (±)
1	Insulation Resisitance	Measured values in MΩ	Uncertainty in % (±)
	>20MΩ	86	13.92
2	Earth Leakage	Measured values in µA	Uncertainty in % (±)
	<5000µAfor B,BF,CF	178	7.5
3	Enclosure Leakage	Measured values in μA	Uncertainty in % (±)
	<500µAfor B,BF,CF	224	7.2

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) K.SATHYAMOORTHY





Chief Executive

Authorised Signatory

SUNSHINE BIOMEDICAL SOLUTIONS



	<u>CALII</u>	BRATION	I CERT	IFICAT	<u>E</u>				
CERTIFICATE NO: SE	S/CL/23/13841	············	T ME	CHANICAL	Pa	age No:1 of 1			
Issue Date	· 	09-10-2	2023						
SRF No & Date		SRF/23	SRF/23/00825-0002 & 09-10-2023						
Receipt Date		09-10-2	2023						
Calibration Date		09-10-2	2023						
Calibration Due		08-10-2	08-10-2024						
Customer Name & Address									
GOVERNMANT PRIMARY H	EALTH CENTRE,								
DHARMATHUPATTI-625536,	THENI DISTRICT.								
	Det	ails of Device U	nder Calibra	tion (DUC)					
Description : CE	NTRIFUGE	Make & Model : LABOTECH & BD			II-152				
Range :	3500 RPM	Sr. No	Sr. No :						
Resolution :	1 RPM	Identific	cation No	:	NA				
DUC Condition : Sa	tisfactory	Locatio	<u>n</u>	:	LABORATORY				
	Environmental C	onditions & Sta	ndard Opera	ting Proced	ure Details				
Environmental Details	Temperature	24.3 ℃	Relative Hu	midity	54 % Rh				
Calibration Procedure No	SBS/CP/ML	/04	Calibration done at ONSITE						
		Reference St	andards Det	ails					
S.No Description	Make/ SI No:		Certificate No		Validity				
1 Digital Tachometer		Lutron & Q6383	80	JRPM-CCT	R-A&S-2022-0036	03-10-2023			

CALIBRATION RESULTS

S.No	DEVICE UNDER CALIBRATION READINGS	STANDARD INSTRUMENTS	DEVIATION	EXPANDED UNCERTAINTY (±)
	RPM	RPM	RPM	%
1	1000	999.7	0.3	4.2
2	2000	1998	2	4.2
3	3000	2997	3	4.2

<u>Remarks</u>

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- 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) K.SATHYAMOORTHY





Chief Executive

Authorised Signatory

SUNSHINE BIOMEDICAL SOLUTIONS



				CAL	<u>IBRAT</u>	<u> 101</u>	V CER	TIFI	CA	TE		
CER	TIFICATE N	O: SB	S/CL/23	13842				MEDICA	AL DI	EVICES	Page No:1 of 1	
Issue	Date	-		-		09-10-2023						
SRF	No & Date					SRF/23/00825-0003 & 09-10-2023						
Recei	ipt Date					09-10-2023						
Calib	ration Date					09-10-2023						
Calib	ration Due					08-10-2024						
Custe	omer Name	& Ad	dress					_		<u>, , , , , , , , , , , , , , , , , , , </u>		
GOV	ERNMANT	PRIMA	RY HEA	LTH CENTRE	<u> </u>							
DHAF	RMATHUP/	ATTI-62	25536,TH	IENI DISTRIC	T.							
					Details of De	evice L	Jnder Calibra	ation (D	UC)			
Descri	iption	:	SEMI	UTO ANALYZ	ËR	Make	& Model		:	LABOMED & NA		
Range	•	;	MULTI			Sr. N	0		:	190211396		
Resolu	ution	:	MULTI			Ident	ification No		:	NA		
DUC (Condition	:	SATIS	FACTORY		Locat	tion		:	LAB		
				Environr	nental Cond	itions	& Calibration	n Proce	dure	Details	<u> </u>	
Enviro	nmental Det	ails		Temperature:2	25.6 ° C		Relative Hur	midity		52% RH	<u> </u>	
Calibra	ation Proced	ure No		SBS/CP/MD/2	0		Calibration of	done at		ONSITE		
					Refer	ence S	tandards De	tails		· · · · · · · · · · · · · · · · · · ·		
S.No	No Description Ma			Make/ SI No	:		Certificate No			Validity		
1	Electrical Sa	fety An	alyser		Rigel Medical & 44L-1059 M-23			M-230	809-	10-08-2024		

ELECTRICAL SAFETY

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S.no	SPECIFICATION	MEASURED VALUES	EXPANDED UNCERTAINTY (±)
1	Insulation Resisitance	Measured values in MΩ	Uncertainty in % (±)
	>20MΩ	98	13.92
2	Earth Leakage	Measured values in µA	Uncertainty in % (±)
	<5000µAfor B,BF,CF	204	7.3
3	Enclosure Leakage	Measured values in µA	Uncertainty in % (±)
	<500µAfor B,BF,CF	214	7.3

REMARKS

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- 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

pspy

Authorised Signatory

(Calibration Engineer)
K.SATHYAMOORTHY





Chief	Exec	ıtive



14											
	te No: SBS/CL/23/13843 er Name & Address								,	Page. No:1 of 1	
	r Name & Address					SRF No.	•		CDE 702 100000F		
OTTEN.	D CENTER DRIVE A DAVIDE A	I THE I CAN'S PROPER							SRF/23/00825	-0004	
	NMENT PRIMARY HEA		•			SRF Date			09-10-2023 07-10-2023		
HAKM	ATHUPATTI-625536,TF	IENI DISTRIC	.1.			Date of R		07-10-2023			
							alibration				
							for Calibration		08-10-2024	 	
						Issue Date	e		09-10-2023		
	f Unit Under Calibratio	 T				· · · · · · ·			·		
Descripti	ion	MICRO PIPE	TTE			Make			THERMO SC	IENTIFIC	
Range		10-100µl				Model			FINNPIPETT	NNPIPETTE F3	
Resolutio	on	0.2µl				Material			PVC	⁷ C	
erial Nu	umber	4640040				Operating	g Range		10-100µl		
D Numl	ber	NA				Condition	n of UUC		Good		
Cal. At		Mechanical L	ab			Instrumer	nt Location		LABORATO	RY	
	E	invironmental	l Condition	· - -	•••		Calibrat	ion Metho	d Used		
Гетрега	ture (°C)	23.6 H	Iumidity (%I	RH)	55	National /	/International Standar	d	ISO 8655-6:20	102	
Atmosph	neric Pressure (mbar)	1006 W	/ater Tempera	ture (°C)	21.6	Cal Proce	dure No		SBS/CP/ML/0	18	
Standard Used											
SI. No.	Description	ID.No./S	SI. No.		Certificate No.	•	Make/Model	Trac	eability	Valid till	
1	Electronic Weighing Balance	151129	918	7	TVCSPL22/12/2115-0	l	A&D & GH-252	Nationa	al Standards	09-12-2023	

			. 	F	lesult of Calibrat	tion in µl				
Sl. No.	Nominal Value			Observed Re	adings	Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)	
1	10.0	9.96	9.95	9.98	9.96	9.97	0.00		2.01	
1	10.0	9.98	9.96	9.97	9.98	9.95	9.97	-0.03	0.01	0.47
2	50.0	49.86	49.85	49.87	49.86	49.85	40.01	0.00	2.25	
2	30.0	49.95	49.96	49.97	49.95	49.95	49.91	-0.09	0.05	0.47
2	100.0	99.98	99.97	99.98	99.96	99.98	00.04		1	
3	100.0	99.95	99.96	99.94	99.95	99.96	99.96	-0.04	0.01	0.47

Remarks

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- 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 Gra

Calibrated By,

(Calibration Engineer) M.RAGUL (specified in ISO 3696.

Authorised by:

Quality Manager/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.



Certificate No: SBS Customer Name & GOVERNMENT PR DHARMATHUPA: Details of Unit Und Description Range Resolution Serial Number ID Number Cal. At Temperature (°C) Atmospheric Press	& Address PRIMARY HEA									
GOVERNMENT PR DHARMATHUPAT Details of Unit Unit Description Range Resolution Serial Number ID Number Cal. At Temperature (°C)	PRIMARY HEA									Page. No : 1 of 1
Details of Unit Uno Description Range Resolution Serial Number ID Number Cal. At Temperature (°C)										
Details of Unit Und Description Range Resolution Serial Number ID Number Cal. At						SRF No.			SRF/23/00825	-0005
Details of Unit Uno Description Range Resolution Serial Number ID Number Cal. At		LTH CENT	RE,			SRF Date			09-10-2023	
Description Range Resolution Serial Number ID Number Cal. At Cemperature (°C)	A 111-625536,11	IENI DISTR	ICT.			Date of R	eceipt	- "	07-10-2023	<u>-</u>
Description Range Resolution Serial Number ID Number Cal. At Temperature (°C) Atmospheric Pressu						Date of C	alibration		09-10-2023	
Description Range Resolution Serial Number ID Number Cal. At Temperature (°C)						Due Date	for Calibration		08-10-2024	
Description Range Resolution Serial Number ID Number Cal. At Temperature (°C) Atmospheric Pressu						Issue Date	e		09-10-2023	
Range Resolution Serial Number ID Number Cal. At Temperature (°C) Atmospheric Pressu	Jnder Calibratio	n								
Resolution Serial Number ID Number Cal. At Temperature (°C) Atmospheric Pressu		MICRO PII	PETTE			Make			THERMO SC	IENTIFIC
Serial Number ID Number Cal. At Temperature (°C) Atmospheric Pressu		100-1000µl		•		Model			FINNPIPETT	E F3
ID Number Cal. At Temperature (°C) Atmospheric Pressu		1µl	0			Material				
Cal. At Temperature (°C) Atmospheric Pressu		4640060				Operating	Range		100-1000µl	
Temperature (°C) Atmospheric Pressi		NA		<u> </u>		Condition	of UUC		Good	
Atmospheric Press		Mechanical	Lab	-	W-1-	Instrumer	nt Location		LABORATOR	ξΥ
Atmospheric Press		nvironmen	tal Conditio	on -			Calibrat	ion Metho	d Used	
	C)	23.6	Humidity (%RH)	55	National /	International Standar	d	ISO 8655-6:20	02
h. 4 4	essure (mbar)	1006	Water Temp	erature (°C)	21.6	Cal Procee	dure No		SBS/CP/ML/0	8
Standard Used										
	Description	ID.No.	/ SI. No.		Certificate No.		Make/Model	Trac	eability	Valid till
	ronic Weighing Balance	1511	2918	1	VCSPL22/12/2115-01		A&D & GH-252	Nationa	l Standards	09-12-2023

				I	Result of Calibrat	tion in µl	_			Z Factor: 1.00319
Sl. No.	Nominal Value			Observed Re	adings		Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)
	100	99.95	99.89	99.87	99.86	99.85	20.05			
	100	99.86	99.87	99.86	99.87	99.85	99.87	-0.13	0.03	0.47
2	500	499.89	499.87	499.89	499.86	499.85	400.05	0.45	2.21	
2	300	499.85	499.76	499.85	499.86	499.85	499.85	-0.15	0.04	0.47
3	1000	999.78	999.79	999.78	999.77	999.79	000 70		2.21	
J	1000	999.75	999.76	999.78	999.78	999.78	999.78	-0.22	0.01	0.47

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. 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

500 032

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

Calibrated By,

(Calibration Engineer) M.RAGUL

Authorised by:

(Chality Manager/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.