

				CAL	.IBRA1	101	V CER	TIFIC	47	E		
CER	TIFICATE N	O: SBS	S/CL/23/	13189			N	MEDICAL [	DEV	ICES	Page	No:1 of 1
Issue	Date					07-1	0-2023					110.1 01 1
SRF	No & Date					SRF	/23/00672-0	001 & 06-1	0-2	023		
Rece	ipt Date						0-2023		0 2	020		
Calib	ration Date					06-1	0-2023					
Calib	ration Due					1 1000000 100	0-2024					
Custo	omer Name 8	& Addre	ss			100 1	2021					
GOV	ERNMENT	PRIMA	RY HEA	LTH CENTR	E,					——————————————————————————————————————		
					AM DISTRIC	Τ.						
					Details of De		Inder Calibra	tion (DUC)				
						T	macr campre	tion (DOO)				
Descr	iption		SEMI A	UTO ANALY	ZER	Make	& Model			ROBONIK & PRIETES	T TOUCH	
Range	е		MULTI			Sr. No				ATCD2580321RBK		1
Resol	ution	i	MULTI			Identi	fication No			NA NA		
DUC (	Condition	1	SATISE	ACTORY		Locat				LABORATORY		
				Environ	mental Cond			Procedure	e De	etails		
Enviro	onmental Detail	ails		Temperature			Relative Hur			52% RH		
Calibr	ation Proced	ure No		SBS/CP/MD/	20		Calibration done at			ONSITE		
					Refere	ence S	tandards De			ONOTE		
S.No	Description				Make/ SI No			Certificat	e No	)		Validity
1 Electrical Safety Analyser Rigel Med		fety Ana	alyser		Rigel Medica	cal & 44L-1059		M-230809-16-4			10-08-2024	

### **ELECTRICAL SAFETY**

RESULTS	3	ELECTRICAL SAFETY	
S.no	SPECIFICATION	MEASURED VALUES	EXPANDED UNCERTAINTY (±)
1	Insulation Resisitance	Measured values in MΩ	Uncertainty in % (±)
	>20MΩ	87	13.92
2	Earth Leakage	Measured values in μA	Uncertainty in % (±)
	<5000µAfor B,BF,CF	195	
3	Enclosure Leakage	Measured values in µA	9.3
	<500µAfor B,BF,CF	241	Uncertainty in % (±)
	The state of the s	211	8.4

#### **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





Technical Manager	
(C.SHANMUGARAJ	

Chief Executive

## SUNSHINE BIOMEDICAL SOLUTIONS



			CAL	IBRAT	101	V CER	TIFICA	ATE	
CER	TIFICATE NO: SB	S/CL/23	13190			N	MEDICAL D	DEVICES	Page No:1 of 1
Issue Date			07-1	0-2023			1 490 110.1 01 1		
SRF No & Date			SRF	/23/00672-0	002 & 06-1	0-2023			
Rece	eipt Date					0-2023		0 2020	
Calib	ration Date				06-1	0-2023			
Calib	ration Due				100000000000000000000000000000000000000	0-2024			
Custo	omer Name & Addre	SS			100 1	3 202 1			
GOV	ERNMENT PRIMA	RY HEA	LTH CENTR	E.					
	UVENNAINALLUR								
			•	Details of De		nder Calibra	tion (DLIC)		
		ELECT	RICAL		1	Tradi Galibie	(500)		
Descr	ription :	SAFET	Y(MICROSCO	OPE)	Make	& Model		DALAL & NA	
Range	e :	MULTI	2002		Sr. N	)		NA NA	
Resol	lution :	MULTI			(0.00)	fication No		NA NA	
DUC	Condition :	SATISI	ACTORY		Locat			LABORATORY	
				mental Condi			Procedure	e Details	
Enviro	onmental Details		Temperature:			Relative Hur		52% RH	
Calibr	ration Procedure No		SBS/CP/MD/2			Calibration of	,	ONSITE	
				Refere	nce S	tandards De	NE POLICIE ESTA	OHOHE	
S.No	Description			Make/ SI No:			Certificat	e No	Validity
1	Electrical Safety Ana	alyser		Rigel Medica	1 & 441			-16-4	10-08-2024

### **ELECTRICAL SAFETY**

S.no	SPECIFICATION	MEASURED VALUES	EXPANDED UNCERTAINTY (±)
1	Insulation Resisitance	Measured values in MΩ	Uncertainty in % (±)
	>20MΩ	92	13.92
2	Earth Leakage	Measured values in µA	Uncertainty in % (±)
	<5000µAfor B,BF,CF	181	9.7
3	Enclosure Leakage	Measured values in µA	Uncertainty in % (±)
	<500µAfor B,BF,CF	216	8.8

#### REMARKS

- 1. This Calibration certificate shall not be reproduced except in full, without written approval of the laboratory.
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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.
- Equipment used for Calibration were calibrated & traceable to National & International Standards.
   Calibrated By

  Authorised Signatory

(Calibration Engineer) M.DINESH





Chief Executive

# **SUNSHINE BIOMEDICAL SOLUTIONS**



	<u>CALIB</u>	RATIO	N CER	TIFICAT	TE_		•
CERTIFICATE NO:	SBS/CL/23/13191			MECHANICA	L	Page No	o:1 of 1
Issue Date		07-1	0-2023				
SRF No & Date		SRF	/23/00672-00	03 & 06-10-20	)23		
Receipt Date	06-1	0-2023					
Calibration Date 06-10-2023							
Calibration Due		05-1	0-2024				
Customer Name & Address							
GOVERNMENT PRIMARY I	HEALTH CENTRE,						
THIRUVENNAINALLUR-607	7203,VILLUPURAM DIS	STRICT.					
	Detail	ls of Device I	Under Calibr	ration (DUC)			
Description : C	CENTRIFUGE	Make	e & Model	:	LABOTECH	& BDI-152	
Range :	3500 RPM	Sr. N	lo	:	20111925		
Resolution :	1 RPM	Ident	tification No	:	NA		
DUC Condition : S	Satisfactory	Loca	tion	:	LABORATO	RY	
	Environmental Co	nditions & St	tandard Ope	rating Proced	lure Details		
Environmental Details	Temperature	25.5°C	Relative Hur	nidity	52%Rh		
Calibration Procedure No	SBS/CP/ML/0	)4	Calibration d	lone at	ONSITE		-
		Reference S	Standards De	etails			
S.No Description		Make/ SI No:		Certificate No			Validity
1 Digital Tachometer		LINE SEIKI /	175-0034V	JRPM-CCTR-A&S-2023-0013		13	09-06-2024

#### **CALIBRATION RESULTS**

S.No	DEVICE UNDER CALIBRATION	STANDARD INSTRUMENTS	DEVIATION	EXPANDED UNCERTAINTY		
	RPM	RPM	RPM	%		
1	1000	998.9	1.1	4.2		
2	1500	1499.5	0.5	4.2		
3	3000	2999.5	0.5	4.2		

## 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) M.DINESH



**Authorised Signatory** 

(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.