

				CAL	.IBRAT	101	V CER	TIFI:	CA	<u>TE</u>		
CER	TIFICATE N	O: \$B	S/CL/23/	16936	<u> </u>	T		MEDIC/	L DE	VICES	Page No:1 of	
Issue	Date					31-10-2023						
SRF	No & Date					SRF/23/00998-0001 & 30-10-2023						
Rece	ipt Date					30-10-2023						
Calib	ration Date					30-1	0-2023					
Calib	ration Due					29-1	0-2024					
Cust	<u>omer Name (</u>	<u>Addn</u>	ess									
				LTH CENTR	•						<u> </u>	
MAG	ANURPATT	1-6353	07,KRIS	HNAGIRI DI	STRICT.							
					Details of De	vice L	Inder Calibra	ation (D	UC)			
Desci	ription	:	SEMI A	NUTO ANALY	ZER	Make	& Model		:	ROBONIK & PRIETE	ST TOUCH	
Rang	е	:	MULTI			Sr. N	0		:	ATCD3770321RBK		
Resol	lution	:	MULTI			Identi	fication No		:	NA		
DUC	Condition	:	SATIS	FACTORY		Locat			:	LABORATORY		
					mental Cond	itions	& Calibration	n Proce	dure	Details		
	onmental Det			Temperature	:25.6°C		Relative Hu	midity		52% RH		
Calibr	ation Proced	ure No		SBS/CP/MD/			Calibration of			ONSITE		
					Refere	ence S	tandards De	tails				
S.No	Description		. .	-	Make/ SI No	fake/ SI No:			icate	No	Validity	
1 Electrical Safety Analyser Rigel Medical & 44L-1059 M-230809-16-4								16-4	10-08-20			

ELECTRICAL SAFETY

RESU	<u>JLIS</u>
9 20	

S.no	SPECIFICATION	MEASURED VALUES	EXPANDED UNCERTAINTY (±)
1	Insulation Resisitance	Measured values in MΩ	Uncertainty in % (±)
	>20MΩ	91	13.92
2	Earth Leakage	Measured values in μA	Uncertainty in % (±)
	<5000µAfor B,BF,CF	165	10.3
3	Enclosure Leakage	Measured values in μA	Uncertainty in % (±)
	<500μAfor B,BF,CF	228	8.6

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



				CAL	IBRAT	101	I CER1	TIFI(CA	TE_		
CER	TIFICATE NO	: SBS	S/CL/23/	6937		Τ	М	EDICA	L DE	VICES	Page No:1 of	
Issue	Date					31-10)-2023	<u> </u>				
SRF	No & Date					SRF	23/00998-00	02 & 3	0-10-2	2023		
Rece	ipt Date					30-10)-2023				•	
Calibration Date						30-10-2023						
Calibration Due						29-10)-2024					
Custo	omer Name &	Addre	<u>ss</u>								t-	
	ERNMENT P				•		· -					
MAG.	ANURPATTI-	63530	7,KRISI	INAGIRI DIS	TRICT.		_					
					Details of De	vice U	nder Calibrat	tion (D	JC)			
_			ELECT							·		
	ription	:		Y(MICROSCC	PE)	Make	& Model		:	LABOMED & VISION 200)0	
Range		:	MULTI			Sr. No			:	170699401		
Resol		:	MULTI			Identi	fication No	:	:	NA		
DUC (Condition	:	SATISE	ACTORY		Locat			<u>: </u>	LABORATORY		
						itions	Calibration		dure C			
	onmental Deta			Temperature:			Relative Hum			52% RH		
Calibr	ration Procedu	re No		SBS/CP/MD/2	-		Calibration de			ONSITE		
	T						andards Det	ails				
S.No	Description				Make/ SI No	:		Certif	cate I	Validity		
1 Electrical Safety Analyser Rigel Me						dical & 44L-1059 M-230809-16-4			6-4	10-08-20		

ELECTRICAL SAFETY

RESULTS

<u> </u>		
SPECIFICATION	MEASURED VALUES	EXPANDED UNCERTAINTY (±)
Insulation Resisitance	Measured values in MΩ	Uncertainty in % (±)
>20 M Ω	87	13.92
Earth Leakage	Measured values in µA	Uncertainty in % (±)
<5000µAfor B,BF,CF	191	9.4
Enclosure Leakage	Measured values in μA	Uncertainty in % (±)
<500µAfor B,BF,CF	216	8.8
	SPECIFICATION Insulation Resisitance >20MΩ Earth Leakage <5000μAfor B,BF,CF Enclosure Leakage	SPECIFICATION Insulation Resisitance >20MΩ S7 Earth Leakage <5000μAfor B,BF,CF Enclosure Leakage Measured values in μA Measured values in μA Measured values in μA Measured values in μA

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**

という (Calibration Engineer) K.SATHYAMOORTHY





Chief Executive

SUNSHINE BIOMEDICAL SOLUTIONS



		CA	LIBR	ATION	CERT	IFICATE			-
Certificate No: SBS/CL/23/1693	38				 :				Page. No: 1 of 1
Customer Name & Address									
GOVERNMENT PRIMARY HE	ALTH CENTR	₹E,			SRF No.			SRF/23/0099	8-0003
MAGANURPATTI-635307,KRI	SHNAGIRI DI	STRICT.			SRF Date	e		30-10-2023	
					Date of I	Receipt		28-10-2023	
					Date of 0	Calibration		30-10-2023	
					Due Dat	e for Calibration		29-09-2024	
			Issue Date 31-10-2023						
Details of Unit Under Calibrat	ion								
Description	Micro Pipette	:e			Make		-	VISION PLU	JS
Range	1000µl FIXEI	D	_		Model		NA		
Resolution					Material	Material			
Serial Number	NA				Operatin	Operating Range			D
ID Number	NA				Conditio	n of UUC		Good	
Cal. At	Mechanical L	Lab			Instrume	nt Location		LABORATO	RY
Env	vironmental Co	ondition			\top	Calibrati	on Metho	d Used	
Temperature (°C)	23.9 Н	lumidity (%	RH)	55	National	/International Standar	d	ISO 8655-6:20	002
Atmospheric Pressure (mbar)	1006 W	Vater Tempera	ature (°C)	21.6	Cal Procedure No SBS/CP/ML/0			08	
Standard Used					_ .				
SI. No. Description	ID.No./S	SI. No.		Certificate No	D.	Make/Model	Trac	ceability	Valid till
Electronic Maighing							— —		

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
,	-			l		

				Re	sult of Caliba	ation in µl		<u>.</u>		Z Factor: 1.00319
Sl. No.	Nominal Value		01	served Read	lings	Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)	
1	1000	999.89	999.88	999.89	999.87	999.90				
	1000	999.93	999.90	999.91	999.94	999.95	999.91	-0.09	0.03	0.47

- 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 to Coverage factor k=2.00.
- 7. Calibration Liquid Used: Distilled or Deionized water

Calibrated By,

(Calibration Engineer) MRAGUL

Authorised by:
(Quality Manager/Chief Executive)

C.SIVABALAN

SUNSHINE BIOMEDICAL SOLUTIONS

Ore made

600 032

cified in ISO 3696.

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



		_		C	ALIBR.	ATION	CERT	IFICA	TE					
Certificat	te No: SB	S/CL/23/1693	9									Page. No:	1 of 1	
Customer	r Name &	Address						_						
GOVERN	MENT P	RIMARY HEA	ALTH CEN	TRE,			SRF No.				SRF/23/0099	8-0004		
MAGAN	URPATT	-635307,KRIS	HNAGIRI	DISTRICT.			SRF Date	SRF Date				30-10-2023		
							Date of I	Receipt		-	28-10-2023			
							Date of Calibration				30-10-2023			
							Due Date for Calibration				29-09-2024	,		
							Issue Date 31-10-2023							
Details of	f Unit Un	der Calibrati	on								•			
Descripti	ion		Micro Pip	ette			Make				VISION PLUS			
Range			100µl FIX	ED			Model				NA			
Resolutio	n	<u> </u>					Material				PVC			
Serial Nu	mber		NA		Operatin			g Range			100µl FIXED)		
D Numb	er		NA				Conditio	n of UUC		-	Good			
Cal. At			Mechanica	al Lab	Lab I			Instrument Location				ŖY		
		Env	ironmental	Condition			T		Calibrati	on Metho	d Used			
Temperat	ture (°C)		23.9	Humidity	(%RH)	55	National	/ Internati	onal Standar	d	ISO 8655-6:2002			
Atmosphe	eric Press	ure (mbar)	1006	Water Temp	erature (°C)	21.6	Cal Proce	dure No			SBS/CP/ML/	08		
Standard	Used								<u></u>			_		
SI. No.	Des	cription	ID.No.	/ SI. No.		Certificate No	·.	Mak	e/Model	Trac	eability	Vali	d till	
1	1 Electronic Weighing Balance 15112918				TVC	TVCSPL22/12/2115-01						nal Standards 09-12-202		
Г	-										Z Factor:	1.00319		
-		-			Re	sult of Calib	ration in µl			,				
	Sl. No.	Nominal Value		O	bserved Read	dings		Mean Systematic Random Measuremer Value Error Error Uncertainty (

Remarks

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

99.85

99.90

99.84

99.87

99.95

99.90

2. The user should determine the suitability of the instrument for its intended use.

99.87

99.95

- 3. The recalibration interval should be determined on the user requirement.
- 4. The results stated in this certificate relate only to the item calibrated.

99.85

99.89

- 5. Equipment used for Calibration were calibrated & tracer latery around & International Standards
 6. The indicated uncertainties are expanded uncertainty, polymeted for a confidence level of approximately 95% for a Ghennai de coverage factor k=2.00.

600 032

7. Calibration Liquid Used: Distilled or Deionized

as specified in ISO 3696.

99.89

-0.11

0.04

Calibrated By,

(Calibration Engineer) M.RAGUL

100

Authorised by:

0.47

(Quality Manager/Chief Executive)

C.SIVABALAN

SUNSHINE BIOMEDICAL SOLUTIONS



			<u>C/</u>	<u> ALIBR</u>	ATION	CERT	IFICATE			·	
Certifica	te No: SBS/CL/23/16940)								Page. No: 1 of 1	
Custome	er Name & Address										
GOVERN	NMENT PRIMARY HEA	ALTH CENT	TRE,			SRF No.			SRF/23/0099	8-0005	
MAGAN	IURPATTI-635307,KRIS	HNAGIRI E	DISTRICT.			SRF Date	•		30-10-2023		
						Date of R	leceipt		28-10-2023		
						Date of C	Calibration		30-10-2023		
						Due Date	e for Calibration	29-09-2024			
						Issue Dat	te	31-10-2023			
Details o	of Unit Under Calibrati	on									
Descript	ion	Micro Pipe	ette			Make			MICROLUX		
Range	<u> </u>	10-50µ1				Model			NA		
Resolutio	on	1µ1				Material			PVC		
erial N	umber	NA				Operatin	g Range		10-50µl		
D Numl	ber 	NA				Condition	n of UUC		Good		
Cal. At		Mechanica	l Lab			Instrume	nt Location		LABORATO	RY	
	Env	ironmental	Condition		···		Calibrat	ion Metho	d Used		
етрега	ature (°C)	23.9	Humidity	(%RH)	55	National	/ International Standar	rd	ISO 8655-6:2	002	
Atmospheric Pressure (mbar) 1006 Water Temperature (°C) 21				21.6	Cal Proce	Cal Procedure No SBS/CP/ML/					
standard	l Used			-							
SI. No.	Description	ID.No.	/ SI. No.		Certificate N	lo.	Make/Model	Tra	ceability	Valid till	
1	Electronic Weighing	1511	2918	TVC	SPL22/12/21	115-01	A&D & GH-252	Nation	al Standards	09-12-202	

										Z Factor: 1.0031
		, . .		Re	sult of Calibi	ation in µl				
Sl. No.	Nominal Value		O	bserved Read	lings		Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)
1	10	9.94	9.97	9.94	9.96	9.93	9.95	0.05	0.00	0.45
	10	9.98	9.95	9.92	9.97	9.96	9.93	-0.05	0.02	0.47
2	30	29.94	29.96	29.97	29.95	29.95	20.04	0.04	0.01	0.45
	30	29.98	29.95	29.96	29.94	29.97	29.96	-0.04	0.01	0.47
1	50	49.85	49.86	49.87	49.82	49.83	1	245		
1	30	49.87	49.85	49.82	49.89	49.87	49.85	-0.15	0.02	0.47

TVCSPL22/12/2115-01

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.

Balance

- 4. The results stated in this certificate relate only to the item calibrated.
- 5. Equipment used for Calibration were calibrated & traceable to National Standards
 6. The indicated uncertainties are expanded uncertainty estimated for a confidence level of approximately 95% for a coverage factor k=2.00 coverage factor k=2.00. -Chennai
- 7. Calibration Liquid Used: Distilled or Deionized water

Calibrated By,

(Calibration Engineer)

cified in ISO 3696.

A&D & GH-252

National Standards

09-12-2023

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.

600 032