

		•		CAL	_IBRA	TIO	N CER	TIFI	CA	TE		
CERT	IFICATE NO): SB	S/CL/23/	13965			М	EDICA	L DE	VICES	Page No:1 of 1	
Issue	Date					10-10-2023						
SRF I	No & Date					SRF/	23/00845-00	01 & 09	} -10-:	2023		
Recei	pt Date					09-10-2023						
Calibr	ation Date					09-10)-2023					
Calibr	ation Due					08-10-2024						
Custo	omer Name	& Ado	<u>lress</u>									
GOVE	RNMENT L	IRBAN	I PRIMA	RY HEALTH	CENTRE,							
PILLA	NYARPALAY	/AM-6	315 <u>01,K</u>	ANCHIPURA								
					Details of I	Device	Under Calib	ration (I	DUC)			
Descr	iption	:	ELECT SAFET	RICAL Y(MICROSCO	PE)	Make & Model			:	OLYMPUS INDIA & CH20iBIMF		
Range	•	:	MULTI			Sr. N	3		;	111B193		
Resol	ution	:	MULTI			Identi	fication No		:	NA		
DUC (Condition	<u>:</u>	SATIS	ACTORY		Locat			:	LABORATORY		
				Enviro	nmental Con	dition	s & Calibration	on <u>Proc</u>	edure			
Énviro	nmental Deta	ails	-	Temperature:	25.6°C		Relative Hun	nidity		52% RH		
Calibr	libration Procedure No SBS/CP/MD/29				29	Calibration done at ONSITE			ONSITE			
					Refe	erence	Standards D	etails				
S.No	No Description Make/ SI				Make/ SI No	:		Certifi	cate	No	Validity	
1	Electrical Safety Analyser Rigel M				Rigel Medica	cal & 44L-1059 M-			M-230809-16-4			

ELECTRICAL SAFETY

RESULTS	<u> </u>		
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	175	7.5
3	Enclosure Leakage	Measured values in µA	Uncertainty in % (±)
	<500µAfor B.BF.CF	226	7.2

REMARKS

K.SATHYAMOORTHY

- 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)



Chief Executive

Authorised Signatory





				CAL	LIBRA	TIO.	N CER	TIF	CA	TE			
CERT	IFICATE N	O: SB	S/CL/23/	13966		T -	M	IEDICA	L DEV	/ICES	Page No:1 of		
Issue	Date					10-10	-2023						
SRF 1	No & Date					SRF/23/00845-0002 & 09-10-2023							
Recei	pt Date					09-10-2023							
Calibr	ation Date					09-10-2023							
Calibr	ation Due		-			08-10-2024							
	<u>omer Name</u>												
GOVE	ERNMENT	URBAI	N PRIMA	RY HEALTH	CENTRE,								
PILLA	NYARPALA	YAM-	31501,K	ANCHIPURA									
					Details of	Device	Under Calib	ration (DUC)				
Descri	iption	:	SEMI A	UTO ANALYZ	'ER	Make	& Model		:	ROBONIK & PRIETES	т тоисн		
Range	•	:	MULTI			Sr. No			:	ATCD1410818RBK			
Resolu	ution	;	MULTI			Identi	fication No		;	NA			
DUC (Condition	:	SATISE	ACTORY		Locat	ion		:	LABORATORY	-		
				Enviro	nmental Cor	ndition	& Calibration	on Proc	edure	Details			
Enviro	nmental Det	tails	·	Temperature:	25.6°C		Relative Hur	nidity		52% RH			
Calibra	ation Proced	ure No		SBS/CP/MD/2	20		Calibration d	lone at		ONSITE			
					Ref	erence	Standards D	Details					
S.No	No Description Make/ SI N				Make/ SI No):		Certifi	cate N	lo	Validity		
1	Electrical Safety Analyser Rigel Me				Rigel Medica	ical & 44L-1059 M-230809-1			809-16	6-4	10-08-202		

ELECTRICAL SAFETY

S.no	SPECIFICATION	MEASURED VALUES	EXPANDED UNCERTAINTY (±)
1	Insulation Resisitance	Measured values in MΩ	Uncertainty in % (±)
	>20MΩ	100	13.92
2	Earth Leakage	Measured values in μA	Uncertainty in % (±)
	<5000µAfor B,BF,CF	154	7.8
3	Enclosure Leakage	Measured values in µA	Uncertainty in % (±)
	<500µAfor B.BF.CF	204	7.3

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 Authorised Signatory

(Calibration Engineer) K.SATHYAMOORTHY





Chief Executive



				<u>CALII</u>	BRA'	<u>TION</u>	CERT	IFICATI	<u> </u>			
CERTIFIC	CATE NO:		SBS/CL/23	/13967			N	ECHANICAL		Page No:1 of 1		
Issue Dat	te					10-10-20)23					
SRF No 8	& Date					SRF/23/	00845-0003	& 09-10-2023				
Receipt D	Date					09-10-20	023					
Calibratio	n Date				09-10-2023							
Calibratio	n Due				08-10-2024							
Custome	er Name &	Addre	ess_									
GOVERN	MENT UR	BAN P	RIMARY HI	EALTH CEN	TRE,							
PILLAIYA	ARPALAYA	M-631	501,KANCH	IIPURAM D	STRICT							
				Det	ails of D	evice Un	der Calibra	ition (DUC)				
Description	on	:	CENTRIFU	GE		Make &	Model	:	REMI & R-8C			
Range		:	5250	RPM	Sr. No			:	NA			
Resolutio	on	:	10	RPM		Identifica	ation No	:	NA			
DUC Con	ndition	:	Satisfactor	1		Location	ı <u> </u>	: _	LABORATORY			
			Envi	onmental (Conditio	ns & Stai	ndard Oper	ating Procedu	re Details			
Environm	nental Deta	ils		Temperatur	e: 25.4°	<u>,C</u>	Relative H	umidity	54% Rh			
Calibratio	Calibration Procedure No SBS/CP/M				/04		Calibration	done at	ONSITE			
					Refe	rence Sta	andards De	tails				
S.No De	S.No Description				Make/ SI No:		Certificate I	Validity				
1 Di	igital Tacho	ometer			LINE SEIKI / 175-0034V		JRPM-CCTF	09-06-2024				

CALIBRATION RESULTS

S.No	DEVICE UNDER CALIBRATION	STANDARD INSTRUMENTS	DEVIATION	EXPANDED UNCERTAINTY
	RPM	RPM	RPM	%
1	1000	998.6	1.4	4.2
2	2000	1998.6	1.4	4.2
3	3000	2998.7	1.3	4.2

REMARKS

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Calibrated By

(Calibration Engineer) K.SATHYAMOORTHY



Authorised Signatory

Chief Executive

SUNSHINE BIOMEDICAL SOLUTIONS



			<u>C/</u>	LIBR	ATION	I CERTI	FICATE				
Certificat	e No: SBS/CL/23/13968					<u> </u>			- 1	Page. No: 1 of 1	
Customer	Name & Address										
						SRF No.			SRF/23/00845	-0004	
GOVERN	MENT URBAN PRIMA	RY HEAL	TH CENTRE	,		SRF Date	!		09-10-2023		
PILLAIYA	ARPALAYAM-631501,k	(ANCHIP	URAM DISTI	RICT.		Date of R	eceipt	Î	07-10-2023		
						Date of C	alibration		09-10-2023		
						Due Date	for Calibration		08-10-2024		
						Issue Dat	e		10-10-2023		
Details of	f Unit Under Calibration										
Descriptio	on	MICRO F	PETTE			Make			THERMO SCIENTIFIC		
Range		10-100μ1	⊢100µl			Model	Model			E F3	
Resolutio	n	0.2µ1				Material			PVC		
Serial Nu	mber	NA				Operatin	g Range		10-100µl		
ID Numb	er	NA				Condition	n of UUC		Good		
Cal. At		Mechanic	al Lab			Instrume	nt Location		LABORATO	tY	
	Env	ironmenta	al Condition	<u>.</u>			Calibrat	ion Method	Used	-	
Temperat	ture (°C)	23.9	Humidity ((%RH)	55	National	/ International Standar	rd	ISO 8655-6:20	02	
Atmosph	eric Pressure (mbar)	1006	Water Temp	erature (°C)	21.6	Cal Proce	edure No		SBS/CP/ML/08		
Standard	Used	1.		-		•					
SI. No.	Description	ID.No	p. / SI. No.		Certificate	te No. Make/Model			eability	Valid till	
1	Electronic Weighing Balance	15	112918	TV	CSPL22/12/	2115-01	A&D & GH-252	National Standards 09-12-2		09-12-2023	
		-					<u> </u>		Z Factor.	1.00319	

				Res	sult of Calibr	ation in µl					
Sl. No.	Nominal Value		Ot	served Read	ings		Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)	
1	10.0	9.91	9.92	9.93	9.92	9.91	9.92	-0.08	0.01	0.47	
1	10.0	9.92	9.90	9.93	9.94	9.95	2.92	J.50	0.01	J,	
_		49.95	49.96	49.97	49.98	49.99	40.05	-0.05	0.03	0.47	
2	50.0	49.90	49.91	49.92	49.92	49.96	49.95	40.05	0.03	0.47	
	100.0	99.96	99.97	99.98	99.97	99.96	99,97	-0.03	0.01	0.47	
3	100.0	99.96	99.97	99.98	99.99	99.96	79.97	-0.03	0.01	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 for a confidence level of approximately 95% for a coverage factor k=2.00.

 7. Calibration Liquid Used: Distilled or Deionized water confessions, Crade3 as specified in ISO 3696. coverage factor k=2.00.

Chennai 600 032

Calibrated By,

(Calibration Engineer) M.RAGUL

Authorised by:

(Quality Manager/Chief Executive) C.SIVABALAN

SUNSHINE BIOMEDICAL SOLUTIONS



			<u>C</u> A	LIBR	<u>ATIOI</u>	<u>V CERTI</u>	FICATE			
Certificat	te No: SBS/CL/23/13969	· · · · · · · · · · · · · · · · · · ·								Page. No: 1 of 1
Customer	r Name & Address									
						SRF No.			SRF/23/00845	-0005
GOVERN	IMENT URBAN PRIMA	RY HEAL	TH CENTRE	,		SRF Date	,	ŀ	09-10-2023	
PILLAIYA	ARPALAYAM-631501,k	CANCHIPU	JRAM DISTI	RICT.		Date of R	eceipt		07-10-2023	
						Date of C	alibration		09-10-2023	
						Due Date	for Calibration		08-10-2024	
						Issue Date 10-10-2023				
Details of	f Unit Under Calibratio	on								
Description MICRO PIPETTE Make T							THERMO SCIENTIFIC			
Range		100-1000µ	ıl	-		Model	Model			E F3
Resolutio	on	1µ1				Material	Material			
Serial Nu	ımber	NA		-		Operatin	Operating Range			
D Numb	per	NA				Condition	n of UUC		Good	
Cal. At		Mechanic	al Lab			Instrume	nt Location		LABORATO	RY
	Env	ironmental	Condition				Calibrati	ion Method	Used	· · · · · · · · · · · · · · · · · · ·
Tempera	ture (°C)	23.9	Humidity	(%RH)	55	National	/ International Standar	rd	ISO 8655-6:20	02
Atmosph	neric Pressure (mbar)	1006	Water Temp	erature (°C)	21.6	Cal Proce	edure No		SBS/CP/ML/0	8
Standard	Used					•				
SI. No.	o. Description ID,No, / SI, No. Certi		Certificate	No.	Make/Model	Trace	eability	Valid till		
1	Electronic Weighing Balance	151	12918	TV	/CSPL22/12/2115-01		A&D & GH-252 Nation		onal Standards 09-12-2023	
		•		-					Z Factor:	1.00319

				Res	sult of Calibra	ation in µl					
Sl. No.	Nominal Value		Ol	served Read	lings	Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)		
4	100	99.94	99.96	99.97	99.95	99.90	99.96	-0.04	0.02	0.47	
1	100	99.96	99.95	99.97	99.98	99.98	77.70	0.04	0.02		
•	500	499.85	499.82	499.83	499.82	499.81	499.83	-0.17	0.01	0.47	
2	500	499.82	499.83	499.84	499.85	499.82	477.03	-0.17	0.01	0.47	
	1000	999.88	999.89	999.87	999.88	999.85	999.87	-0.13	0.01	0.47	
3	1000	999.85	999.86	999.85	999.87	999.87	777,0/	-0.13	0.01	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
- $6. The indicated \ uncertainties \ are \ expanded \ uncertainty \ estimated \ for \ a \ confidence \ level \ of \ approximately \ 95\% \ for \ a$ coverage factor k=2.00.
- 7. Calibration Liquid Used: Distilled or Deionized water conforming Grade3 as specified in ISO 3696.

Calibrated By,

(Calibration Engineer) M.RAGUL

Chennai 600 032

Authorised by:

Quality Manager/Chief Executive) C.SIVABALAN

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.



			<u>CA</u>	LIBR	<u>4 TION</u>	<u>I CERTI</u>	<u>FICATE</u>					
Certificate No: SI	3S/CL/23/13970						-		P	Page. No: 1 of 1		
Customer Name &	& Address									_		
						SRF No.		SI	RF/23/00845-	-0006		
GOVERNMENT U	URBAN PRIMA	RY HEALT	H CENTRE,			SRF Date		09	09-10-2023			
ILLAIYARPALA	YAM-631501,k	CANCHIPU	RAM DISTR	JCT.		Date of R	eceipt	07	07-10-2023			
						Date of C	alibration	09	9-10-2023			
						Due Date	for Calibration	08	3-10-2024			
						Issue Dat	Issue Date 10-10-202					
Details of Unit U	nder Calibratio	on										
Description		MICRO PI	PETTE	-		Make		N	NA			
Range		1000μ1						MICROTIPS UNIVERS.				
Resolution		FIXED				Material		P	PVC			
Serial Number		NA				Operating	g Range	10	000µl FIXED)		
D Number		NA				Condition	Condition of UUC					
Cal. At		Mechanica	l Lab			Instrume	Instrument Location LABORAT			RY		
	Env	ironmental	Condition		····		Calibrat	Jsed				
Temperature (°C)	23.9	Humidity (%RH)	55	National	/ International Standa	rd I	ISO 8655-6:2002			
Atmospheric Pre	ssure (mbar)	1006	Water Tempe	erature (°C)	21.6	Cal Proce	dure No	s	BS/CP/ML/0	8		
Standard Used			<u>.</u>			<u> </u>	_					
SI. No. Do	escription	ID.No.	/ SI. No.		Certificate	No.	Make/Model	Tracea	bility	Valid till		
1 1	onic Weighing Balance	1511	12918	TV	TVCSPL22/12/2115		A&D & GH-252	National S	Standards	09-12-202:		
	-	•							Z Factor:	1.00319		
			-	R	esult of Ca	libration in µl						

Remarks

SI. No.

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

Observed Readings

999.87

999.85

999.88

999.87

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

999.89

999.86

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

999.88

999.85

- 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 Grade3 as specified in ISO 3696.

Calibrated By,

(Calibration Engineer) M.RAGUL

Nominal

Value

1000

Chennai Chenna

Authorised by:

Quality Martager/Chief Executive)

Measurement

Uncertainty (±)

0.47

C.SIVABALAN

Systematic

Error

-0.13

Mean

Value

999.87

999.85

999.87

Random

Error

0.01

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.