

				CAL	.IBRA	TIOI	V CER	TIFICA	<u>TE</u>	
CER	TIFICATE NO	: SBS	/CL/23/	13668			N	IEDICAL DE	VICES	Page No:1 of 1
Issue	e Date			2		07-1	0-2023			
SRF	No & Date					SRF	/23/00793-00	001 & 07-10-	2023	
Rece	eipt Date					07-1	0-2023			
Calib	ration Date					07-1	0-2023			
Calib	ration Due					06-1	0-2024			
Cust	omer Name	& Add	ress							
GOV	ERNMENT P	RIMAF	RY HEAI	LTH CENTR	RE,					- to (to
RISH	HIVANDIYAM-	60620	5,KALL	AKURICHI [DISTRICT.					
					Details of D	Device L	Inder Calibra	tion (DUC)		
	ription	:		UTO ANALY	ZER	Make	& Model	ď	GENUINE BIO SYST	EM & GB235
Rang		;	MULTI			Sr. N	0	:	BA-CL-5189	
	lution	:	MULTI			Identification No		:	NA	
DUC	Condition	:	SATISF	ACTORY		Locat		:	LABORATORY	
				Enviror	mental Con	ditions	& Calibration	Procedure	Details	
	onmental Detai			Temperature	:25.6 ° C		Relative Hur	nidity	52% RH	
Calib	ration Procedur	e No		SBS/CP/MD/	/20		Calibration d	one at	ONSITE	
					Refe	rence S	tandards De	tails		
S.No	Description				Make/ SI N	lo:		Certificate	No	Validity
1	Electrical Safe	ety Ana	lyser	•	Rigel Medic	cal & 44l	1059	M-230809-1	6-4	10-08-202

E	LE	CT	RI	CA	L S	ΑF	ET)	Υ

S.no	SPECIFICATION	MEASURED VALUES	EXPANDED UNCERTAINTY (±)
1	Insulation Resisitance	Measured values in $M\Omega$	Uncertainty in % (±)
	>20MΩ	89	13.92
2	Earth Leakage	Measured values in μA	Uncertainty in % (±)
	<5000µAfor B,BF,CF	153	7.7
3	Enclosure Leakage	Measured values in µA	Uncertainty in % (±)
	<500µAfor B,BF,CF	234	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.

Authorised Signatory





Technical Manager
C.SHANMUGARAJ

Chief Executive



			CALIB	RA	TIOI	V CER	TIFIC	ΑT	E		
CERTIFICA	TE NO:	SBS/CL	/23/13669				MECHA	NIC	AL	Page	No:1 of 1
Issue Date					07-10-2	023				3	
SRF No & [Date				SRF/23	/00793-0002	& 07-10-2	2023			
Receipt Da	е				07-10-2						
Calibration	Date				07-10-2	023					
Calibration					06-10-2	024					
Customer	Name & A	ddress									
GOVERNM	ENT PRI	MARY HEALT	H CENTRE,								
RISHIVAND	IYAM-60	3205,KALLAK	URICHI DISTR	ICT.							
			Detai	ls of	Device U	Inder Calibra	ation (DU	C)			
Description	;	CENTR	FUGE		Make &	Model	:		REMI & C-83		
Range	:	525	50 RPM	Sr. No			:		NA		
Resolution	:		IO RPM		Identifica	ation No	:		NA		
DUC Condi	ion :	Satisfac	tory		Location : LABORATO			LABORATORY			
		Env	ironmental Co	nditio	ons & Sta	andard Oper	ating Pro	cedi	ire Details		
Environmen	tal Details		Temperature	e: 25.:	3°C	Relative Hui	midity		55% Rh		
Calibration	Procedure	No	SBS/CP/ML/	/04		Calibration of	done at		ONSITE		
				Refe	erence S	tandards De	tails				
S.No Desc	ription			Mak	e/ SI No:		Certifica	te No			Validity
1 Digita	al Tachom	eter		LINE	LINE SEIKI / 175-0034V			JRPM-CCTR-A&S-2023-0013			09-06-2024

CALIBRATION RESULTS

S.No	DEVICE UNDER CALIBRATION	STANDARD INSTRUMENTS	DEVIATION	EXPANDED UNCERTAINTY		
	RPM	RPM	RPM	%		
1	1000	998.8	1.2	4.2		
2	2000	1999.2	0.8	4.2		
3	3500	3499.5	0.5	4.2		

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- 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



Authorised Signatory

(Qual	ity Manager
(C.SI\	/ABALAN)

(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.



				CAL	IBRAT	ION	I CERT	TIFIC	CAT	T <u>E</u>	
CERT	ΓΙΓΙCATE N	O: SB	S/CL/23/	13670			M	EDICA	_ DE\	/ICES	Page No:1 of
Issue	Date					07-10	0-2023			-	
SRFI	No & Date					SRF	23/00793-00	03 & 0	'-10-2	023	
Recei	ipt Date					07-10	0-2023				
Calibi	ration Date					07-10	0-2023				
Calibi	ration Due					06-10	0-2024				
Custo	omer Name	& Add	dress								
GOVI	ERNMENT I	PRIMA	RY HEA	LTH CENTRE	Ξ,						
RISH	IVANDIYAN	1-60620	05,KALL	AKURICHI D	ISTRICT.						
					Details of De	vice U	nder Calibra	tion (DU	IC)		
Descr	iption	:	ELECT COUN	RICAL SAFET (ER)	TY (CELL	Make	& Model		:	SYSMEX & TRANSASIA	Ą
Range	9	:	MULTI			Sr. No	0		:	B5821	
Resolu	ution	:	MULTI			Identi	fication No		:	NA	
DUC (Condition	:	SATISE	ACTORY		Locat	ion		:	LABORATORY	
				Environ	nental Condi	tions	& Calibration	Proced	ure D	etails	
Enviro	onmental Det	ails		Temperature:	25.6 ° C		Relative Hum	nidity		52% RH	
Calibr	ation Proced	ure No		SBS/CP/MD/2	29		Calibration de	one at		ONSITE	
					Refere	nce S	tandards Det	ails		_	
S.No	Description				Make/ SI No	:		Certifi	cate N	0	Validity
1	Electrical Sa	fety An	alyser		Rigel Medica	I & 44L	-1059	M-230	309-16	i-4	10-08-2

	ELECTRICAL SAFETY	
<u> </u>		
SPECIFICATION	MEASURED VALUES	EXPANDED UNCERTAINTY (±)
Insulation Resisitance	Measured values in MΩ	Uncertainty in % (±)
>20MΩ	99	13.92
Earth Leakage	Measured values in μA	Uncertainty in % (±)
<5000µAfor B,BF,CF	175	7.5
Enclosure Leakage	Measured values in µA	Uncertainty in % (±)
<500µAfor B,BF,CF	232	7.2
	SPECIFICATION Insulation Resisitance >20MΩ Earth Leakage <5000μAfor B,BF,CF Enclosure Leakage	SPECIFICATION MEASURED VALUES Insulation Resisitance Measured values in MΩ >20MΩ 99 Earth Leakage Measured values in μA <5000μAfor B,BF,CF

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.

(Calibration Engineer) K.SATHYAMOORTHY

Calibrated By



-	CSU- Technical Manager
	C.SHANMUGARA.

Chief Executive

Authorised Signatory

SUNSHINE BIOMEDICAL SOLUTIONS



		CA	LIBR	ATION (CERTI	FICATE			
Certificate No: SBS/CL/23/1367	1								Page. No: 1 of 1
Customer Name & Address									
					SRF No.			SRF/23/0079	93-0004
OVERNMENT PRIMARY HEALTH CENTRE,					SRF Date	Q.		07-10-2023	
ISHIVANDIYAM-606205,KAI	LAKURICH	II DISTRICT.			Date of R	eceipt		06-10-2023	
					Date of C	alibration		07-10-2023	
					Due Date	for Calibration		06-10-2024	
					Issue Dat	e		07-10-2023	
etails of Unit Under Calibrat	ion								
Description	MICRO PI	PIPETTE			Make			THERMO SCIENTIFIC	
ange	100-1000µ	I			Model			FINNPIPETTE F3	
esolution	1µl				Material			PVC	
erial Number	RW12021				Operating	g Range		100-1000μl	
O Number	NA			1///	Condition	n of UUC		Good	
Cal. At	Mechanica	l Lab			Instrume	nt Location		LABORATO	DRY
En	vironmental	Condition				Calibrati	on Metho	d Used	
emperature (°C)	23.9	Humidity (Humidity (%RH) 55		National / International Standard			ISO 8655-6:2002	
Atmospheric Pressure (mbar)	1006	Water Tempe	perature (°C) 21.6		Cal Procedure No			SBS/CP/ML/08	
standard Used									
SI. No. Description	ID.No.	/ SI. No.		Certificate No.		Make/Model	Tra	ceability	Valid till

Z Factor: 1.00319

09-12-2023

National Standards

				Re	sult of Calibr	ation in µl				
Sl. No.	Nominal Value	Observed Readings						Systematic Error	Random Error	Measurement Uncertainty (±)
1	100	99.77	99.78	99.76	99.75	99.74	99.77	-0.23	0.07	0.47
		99.75	99.76	99.72	99.71	99.95				
2	500	499.95	499.96	499.95	499.96	499.97	499.96			0.47
		499.96	499.97	499.98	499.98	499.96		-0.04	0.01	
3	1000	999.88	999.87	999.88	999.86	999.87	999.88	0.40	0.01	0.47
		999.89	999.87	999.88	999.89	999.87		-0.12		

TVCSPL22/12/2115-01

A&D & GH-252

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.
- $3. The\ recalibration\ interval\ should\ be\ determined\ on\ the\ user\ requirement.$

15112918

- 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.

600 032

Calibrated By,

Electronic Weighing

Balance

(Calibration Engineer) M.RAGUL 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.



			CA	LIBRA	ATION C	ERTI	FICATE			
Certifica	te No: SBS/CL/23/13672									Page. No: 1 of 1
Custome	er Name & Address									
						SRF No.		SRF/23/00793-0005		
GOVERNMENT PRIMARY HEALTH CENTRE,						SRF Date		07-10-2023		
RISHIVANDIYAM-606205,KALLAKURICHI DISTRICT.						Date of R	eceipt	06-10-2023		
						Date of C	alibration		07-10-2023	
							for Calibration	06-10-2024		
						Issue Dat	e	07-10-2023		
Details o	of Unit Under Calibratio	on								
Description		MICRO PIPETTE				Make			THERMO SCIENTIFIC	
Range		10-100µl				Model			FINNPIPETTE F3	
Resolution		0.2μl				Material			PVC	
Serial N	umber	NA				Operating Range			10-100µl	
ID Number		NA				Condition of UUC			Good	
Cal. At		Mechanical Lab				Instrume	nt Location	LABORATORY		
	Env	ironmental	Condition				Calibratio	on Metho	d Used	
Temperature (°C)		23.9	Humidity (%RH)		55	National / International Standard		d	ISO 8655-6:2002	
Atmospheric Pressure (mbar)		1006	Water Temperature (°C)		21.6	Cal Procedure No			SBS/CP/ML/08	
Standard	d Used		1		1	-				
SI. No.	Description	ID.No.	. / SI. No. Certifica		Certificate No.		Make/Model Trac		eability	Valid till
1	Electronic Weighing Balance	1511	12918	TVC	CSPL22/12/2115				09-12-2023	

Z Factor: 1.00319

				Res	sult of Calibr	ation in µl				
Sl. No.	Nominal Value		Ol	served Read	lings	Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)	
1	10.0	9.87	9.88	9.86	9.85	9.87	9.86	-0.14	0.02	0.47
1		9.86	9.87	9.85	9.84	9.83				
2	50.0	49.77	49.78	49.77	49.76	49.75	49.76	-0.24	0.03	0.47
		49.79	49.78	49.73	49.72	49.71				
3	100.0	99.89	99.88	99.89	99.87	99.88	99.87	0.12	0.01	0.47
		99.88	99.87	99.85	99.86	99.87		-0.13	0.01	

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 Grade3 as specified in ISO 3696.

 Chennai

600 032

Calibrated By,

(Calibration Engineer) M.RAGUL 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.