

				CAL	LIBRA'	ΤΙΟ	N CER	TIFI	CA	TE_	
CERTIF	ICATE NO	D: SBS	S/CL/23/	13630		MEDICAL DEVICES					Page No:1 of
Issue Da	ate					07-10	0-2023			*	
SRF No & Date						SRF/	23/00785-000	01 & 07	<sup>7</sup> -10-20	023	
Receipt	Date					07-10	0-2023				
Calibrati	ion Date					07-10	0-2023				
Calibrati	ion Due					06-10	0-2024				
Custom	ner Name	& Add	ress								
GOVER	NMENT P	RIMA	RY HEAI	TH CENTRE	Ξ,						
R.S.MAN	NGALAM,	RAMA	NATHA	PURAM DIST	RICT.						
					Details of D	Pevice	Under Calibr	ation ([	DUC)		
Description	ion		SEMI A	UTO ANALYZ	ER	Make & Model : ROBONIK & PRIETEST TOUCH					т тоисн
Range		:	MULTI			Sr. No : AT2780509RBK					
Resolutio	on	:	MULTI			Identi	fication No		:	NA	
DUC Cor	ndition	:	SATISF	ACTORY		Locat	ion		:	LABORATORY	
				Enviro	nmental Con	dition	s & Calibratio	n Proce	edure l	Details	63
Environm	nental Deta	ails		Temperature:	25.6°C		Relative Hum	idity		52% RH	
Calibratio	on Procedu	ire No		SBS/CP/MD/2	.0		Calibration do	ne at		ONSITE	
					Refe	rence	Standards De	etails			
3.No De	escription				Make/ SI No:			Certific	cate N	0	Validity
1 Ele	Electrical Safety Analyser Rigel Medical					& 44L-1059 M-230809-16-4			10-08-202		

### **ELECTRICAL SAFETY**

#### RESULTS

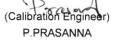
S.no	SPECIFICATION	MEASURED VALUES	EXPANDED UNCERTAINTY (±)
1	Insulation Resisitance	Measured values in MΩ	Uncertainty in % (±)
	>20MΩ	80	13.92
2	Earth Leakage	Measured values in µA	Uncertainty in % (±)
	<5000µAfor B,BF,CF	164	7.6
3	Enclosure Leakage	Measured values in μA	Uncertainty in % (±)
	<500µAfor B,BF,CF	216	7.3

### 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** 





-	Technic	al Mana	ger
	C.SHAN		

Chief Executive		Chief Executive
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# **SUNSHINE BIOMEDICAL SOLUTIONS**



			CALIE	BRAT	TION	CERT	FICATE	<u> </u>		
CERTIFIC	CATE NO:	SBS/CL/2	3/13631		MECHANICAL			Pa	age No:1 of 1	
Issue Date	е				07-10-2023					
SRF No &	Date				SRF/23/00785-0002 & 07-10-2023					
Receipt Date 07-10-2023										
Calibration Date 07-10-2023										
Calibration Due 06-10-2024										
Customer	r Name & Addre	ess								
GOVERN	MENT PRIMAR	Y HEALTH	CENTRE,							
R.S.MANC	GALAM,RAMAN	ATHAPURA	AM DISTRICT							
			Deta	ails of D	evice Un	der Calibrat	ion (DUC)			
Description	on :	CENTRIF	JGE	Make & Model		5	RAJA ENTERPRISES & NA			
Range	:	4000	RPM		Sr. No		-	RSM/CEN/01		
Resolution	n i	1	RPM		Identifica	ation No	:	NA		
DUC Cond	dition :	Satisfactor	у		Location		:	LABORATORY		
		Envi	ronmental C	ondition	ns & Star	ndard Opera	ting Procedur	e Details		
Environme	ental Details		Temperature	: 25.4%	С	Relative Hui	midity	54% Rh		
Calibration	n Procedure No		SBS/CP/ML/	04		Calibration of	done at	ONSITE		
				Refer	ence Sta	ndards Deta	ails			
S.No Des	scription			Make/ S	SI No:		Certificate N	0	Validity	
·			LINE SEIKI / 175-0034V		JRPM-CCTR-	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

- 1. This Calibration certificate shall not be reproduced except in full, without written approval of the laboratory.
- ${\hbox{2.The user should determine the suitability of the instrument for its intended use.}}\\$
- 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)
P.PRASANNA



Authorised Signatory

Quality Manager Chief Executive

# SUNSHINE BIOMEDICAL SOLUTIONS



			CAL	<b>IBRAT</b>	TON CE	RTIFI	CATE				
Certifica	te No: SBS/CL/23/13632	!								Page. No: 1 of 1	
Custome	r Name & Address										
						SRF No.			SRF/23/00785-0003		
GOVERN	nment primary he <i>a</i>	LTH CENT	RE,			SRF Date			07-10-2023		
R.S.MAN	igalam,ramanath	APURAM I	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		
Details o	of Unit Under Calibratio	on									
Descript	rription Micro Pipette Make			THERMO SCIENTIFIC							
Range		100-1000µl				Model FINN			FINNPIPETT	FINNPIPETTE F3	
Resoluti	on	1µl				Material			PVC		
Serial N	umber	RW13267				Operating	g Range		100-1000μ1	00-1000μl	
ID Num	ber	NA				Condition	n of UUC		Good		
Cal. At		Mechanica	l Lab			Instrumer	nt Location		LABORATO	RY	
	E	invironmen	tal Condition				Calibrat	ion Metho	od Used		
Tempera	ture (°C)	23.9	Humidity (%RH	)	55	National	/ International Stand	ard	ISO 8655-6:20	002	
Atmosph	neric Pressure (mbar)	1006	Water Temperature	(°C)	21.6	Cal Proce	dure No		SBS/CP/ML/0	08	
Standard	Used				-				1		
SI. No.	Description	ID.N	No. / SI. No.		Certificate No.		Make/Model	Trac	ceability	Valid till	
1	Electronic Weighing Balance	1	5112918	TVC	CSPL22/12/2115	-01	A&D & GH-252	Nationa	al Standards	09-12-2023	
		2					Marian		Z Factor:	1.00319	

1.00319

7945				Result	of Calibratio	n in µl				
Sl. No.	Nominal Value		Obs	erved Reading	gs		Mean Value	Systemati c Error	Random Error	Measurement Uncertainty (±)
1	100	99.92	99.91	99.92	99.91	99.90	99.91	-0.09	0.01	0.47
1	100	99.92	99.91	99.91	99.92	99.92		-0.09	0.01	
2	500	499.67	499.68	499.67	499.68	499.67	499.68	0.00	0.01	0.47
2	300	499.68	499.67	499.68	499.68	499.67		-0.32	0.01	
3	1000	999.66	999.65	999.64	999.63	999.62	999.63	-0.37	0.02	0.47
3	1000	999.65	999.64	999.62	999.62	999.61			0.02	0.47

### 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. 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

600 032

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

Calibrated By,

(Calibration Engineer) M.ADHIBAN

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.



			CAL	IBRA1	TION CE	<u>RTIFI</u>	<u>CATE</u>				
Certificat	te No: SBS/CL/23/13633	3								Page. No : 1 of 1	
Custome	r Name & Address										
						SRF No.			SRF/23/00785-0004		
GOVERN	IMENT PRIMARY HEA	ALTH CENT	ΓRE,			SRF Date			07-10-2023		
R.S.MAN	GALAM,RAMANATH	IAPURAM	DISTRICT.			Date of R	eceipt		06-10-2023		
						Date of C	alibration		07-10-2023		
						Due Date	for Calibration		06-10-2024		
Issue Date						e		07-10-2023			
Details o	f Unit Under Calibrati	on									
Description Micro Pipette Mak				Make			THERMO SCIENTIFIC				
Range		10-100µl	-100μl Model FINNPIPETT			Model			FINNPIPETTE F3		
Resolutio	on	0.2μ1		Material			PVC				
Serial Nu	ımber	RW10602				Operating Range			10-100μl		
D Numb	per	NA		Condition of UUC			Good				
Cal. At		Mechanica	al Lab			Instrume	nt Location		LABORATO	RY	
	I	Environmer	ntal Condition				Calibrat	ion Meth	od Used		
Гетрега	ture (°C)	23.9	Humidity (%RH	)	55	National	/ International Stand	ard	ISO 8655-6:20	002	
Atmosph	eric Pressure (mbar)	1006	Water Temperature	e (°C)	21.6	Cal Proce	dure No	SBS/CP/ML		08	
Standard	Used										
SI. No.	Description	ID.	No. / SI. No.		Certificate No.		Make/Model	Traceability		Valid till	
1	Electronic Weighing Balance	1	15112918	TVC	CSPL22/12/2115	-01	A&D & GH-252	Nation	National Standards		
				-					Z Factor:	1 00319	

Sl. No.	Nominal Value		Obs	erved Reading	gs		Mean Value	Systemati c Error	Random Error	Measurement Uncertainty (±)
1	10.0	9.87	9.86	9.87	9.86	9.87	9.86	0.14	0.01	0.47
1	10.0	9.86	9.82	9.86	9.87	9.86	9.86	-0.14	0.01	
2	50.0	49.46	49.47	49.48	49.47	49.46	49.48	0.52	0.01	
2	2 30.0	49.47	49.48	49.48	49.49	49.49		-0.52	0.01	0.47

99.31

99.44

99.45

Result of Calibration in µl

### Remarks

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

99.39

99.44

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

99.38

99.42

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

99.37

99.42

100.0

- $5.\ Equipment\ used\ for\ Calibration\ were\ calibrated\ \&\ traceable\ to\ National\ \&\ International\ Standards$
- $6. The indicated uncertainties are expanded uncertainty estimated for a confidence level of approximately 95\% for a coverage factor k=2.00 \, .$
- 7. Calibration Liquid Used: Distilled or Deionized water conforming Grade3 as specified in ISO 3696.

Calibrated By,

M. Adhiband (Calibration Engineer) M.ADHIBAN Chennai 600 032

Authorised by:

0.47

Quality Manager/Chief Executive)
C.SIVABALAN

0.04

# 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.