

				CAL	IB <u>RAT</u>	101	CERT	TIFIC	<u>A</u>	<u>TE</u>			
CERT	TIFICATE N	O: SBS	/CL/23/	13905		T	N	EDICAL	DE	VICES	Page No:1 of		
Issue	Date				***	09-10-2023							
SRF	No & Date					SRF/23/00836-0001 & 09-10-2023							
Rece	ipt Date					09-10-2023							
Calib	ration Date					09-10-2023							
Calib	ration Due					08-10	-2024						
Cust	omer Name	& Add	ress						_				
GOV	ERNMENT	PRIMA	RY HEA	TH CENTRE									
				I AYILADUTH		RICT.					<u> </u>		
			-		Details of De	evice U	nder Calibra	tion (DU	<u> </u>				
Descr	ription		SEMI A	UTO ANALYZ	7FR Make & Model			:	: ROBONIK & PRIETEST TOUCH				
Range	•		MULTI			Sr. N)	:		ATCD3890413RBK			
Resol		•	MULTI			Identi	fication No	:		NA			
	Condition	•		FACTORY		Locat	ion	:		LABORATORY			
<u> </u>	00110111011	<u> </u>		Environ	mental Cond	litions	& Calibration	n Procedi	ıre l	Details			
Envir	onmental De	tails		Temperature:	25.6 ° C		Relative Hu	midity		52% RH			
Calib	ration Proced	dure No		SBS/CP/MD/2	20		Calibration of	done at		ONSITE			
					Refer	ence S	tandards De	tails					
S.No	No Description			Make/ SI No	o:		Certific	ate	No	Validit			
1 Electrical Safety Analyser			Rigel Medical & 44L-1059			M-230809-16-4			10-08-2				

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	194	7.4
3	Enclosure Leakage	Measured values in µA	Uncertainty in % (±)
	<500µAfor B,BF,CF	225	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

(Calibration Engineer)
M.DINESH





Chief Executive



				CAL	BRA	<u>TION</u>	CERT	<u> TIFIC</u>	<u> </u>	<u>E</u>		
CERTII	FICATE NO):	SBS/CL/2	3/13906				MECH	ANIC	AL	Page No:1 of 1	
Issue D	ate	•	<u> </u>			09-10-20	23	_				
SRF No	& Date					SRF/23/00836-0002 & 09-10-2023						
Receip	t Date					09-10-2023						
	tion Date					09-10-2023						
Calibra	tion Due					08-10-2024						
Custor	ner Name	& Add	ress									
GOVE	RNMENT P	RIMA	RY HEALTH	CENTRE,								
KONE	RIRAJAPUI	RAM-6	12201,MAYII	ADUTHUR	AI DISTR	ICT.				<u></u>		
				D	etails of D	Device Ur	nder Calibr	ation (Di	JC)			
Descrip	otion	:	CENTRIF	JGE		Make &	Model		:	EITEK & 354		
Range		•	3500	RPM		Sr. No			:	NA		
Resolu		:	1	RPM		Identification No			:	NA		
DUC C	ondition	:	Satisfacto	у		Location			:	LABORATORY		
			Env	ironmenta	Conditio	ns & Sta	ndard Ope	erating P	roced	dure Details		
Enviro	nmental De	etails		Temperatu	re: 25.3°C	:	Relative H	lumidity		55% Rh		
Calibra	tion Proce	dure N	0	SBS/CP/M	L/04		Calibration	done at		ONSITE		
				<u> </u>	Refe	erence St	andards D	etails				
S.No	Description	on			Make/	SI No:		Certif	cate	No	Validity	
1	Digital Tac	homet	er		LINE S	EIKI / 17	5-0034V	JRPM	-ССТ	R-A&S-2023-0013	09-06-2024	

CALIBRATION RESULTS

S.No	DEVICE UNDER CALIBRATION	STANDARD INSTRUMENTS	DEVIATION	EXPANDED UNCERTAINTY
	RPM	RPM	RPM	%
1	1000	999.1	0.9	4.2
2	1500	1498.9	1.1	4.2
3	2000	1999.5	0.5	4.2

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.

Calibrated By

(Calibration Engineer)

M.DINESH



Authorised Signatory

(Quality Manager)

(C.SIVABALAN)

SUNSHINE BIOMEDICAL SOLUTIONS



				CAL	BRAT	ION	CERT	TIFIC	A	<u>TE</u>			
CERT	IFICATE N	O: SB	S/CL/23/	13907			N	IEDICAL	DE	VICES	Page No:1 of 1		
Issue	Date					09-10	-2023						
SRF N	No & Date					SRF/23/00836-0003 & 09-10-2023							
Recei	pt Date					09-10-2023							
Calibr	ation Date					09-10-2023							
Calibr	ation Due					08-10-2024							
Custo	mer Name	& <u>Ad</u>	dress										
GOVE	RNMENT	PRIM/	RY HEA	TH CENTRE	1					 ·			
KONE	RIRAJAPL	JRAM-	612201,N	IAYILADUTH	URAI DIST	RICT.							
					Details of D	evice U	nder Calibra	tion (DU	2)				
Descri	ption	:	ELECT SAFET				& Model	!		LABOMED & NA			
Range	•	;	MULTI			Sr. No)			130862418			
Resolu	ution	;	MŲLTI			Identi	fication No			NA			
DUC (Condition	;	SATIS	ACTORY		Locat				LABORATORY			
				Environ	nental Cond	litions (& Calibration	n Proced	ire l				
Enviro	nmental De	tails		Temperature:	25.6 ° C		Relative Hu	midity		52% RH			
Calibra	ation Proced	lure No)	SBS/CP/MD/2	9		Calibration of	done at		ONSITE			
					Refe	rence S	tandards De						
S.No	Description	n			Make/ SI No	o:		Certific	ate	No	Validity		
1	Electrical S	afety A	nalyser		Rigel Medic	al & 441	el Medical & 44L-1059 M-23			M-230809-16-4			

ELECTRICAL SAFETY

RE	SI	JL	TS

S.no	SPECIFICATION	MEASURED VALUES	EXPANDED UNCERTAINTY (±)
1	Insulation Resisitance	Measured values in MΩ	Uncertainty in % (±)
<u> </u>	>20MΩ	70	13.92
2	Earth Leakage	Measured values in µA	Uncertainty in % (±)
	<5000µAfor B,BF,CF	153	7.8
3	Enclosure Leakage	Measured values in μA	Uncertainty in % (±)
-	<500µAfor B,BF,CF	203	7.4

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
- Equipment used for Calibration were calibrated & traceable to National & International Standards.
 Calibrated By
 Authorised Signatory

(Calibration Engineer)

M.DINESH

Chennai 600 032



Chief Executive

SUNSHINE BIOMEDICAL SOLUTIONS



			CALI	BRAT	ION C	ERTIFIC	CATE				
Certificat	e No: SBS/CL/23/13908								P	age. No: 1 of 1	
Custome	Name & Address								·		
					_	SRF No.			SRF/23/00836-	0004	
GOVERN	MENT PRIMARY HEA	LTH CENT	TRE,			SRF Date	SRF Date				
KONERII	RAJAPURAM-612201,M	IAYILADU	THURAI DISTRICT	Γ.		Date of R	eceipt		07-10-2023		
10.12.4	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					Date of C	Date of Calibration				
						Due Date	for Calibration		08-10-2024		
						Issue Dat	e		09-10-2023		
Details o	f Unit Under Calibratio	on —									
Descripti	on	ette	Make	Make			MANN				
Range		100-1000μ	1		<u> </u>	Model			NA		
Resolutio	on	10µl				Material			PVC		
Serial N	umber	061387739				Operating	g Range		100-1000µl		
ID Numl	ber	NA				Condition	n of UUC		Good		
Cal. At		Mechanic	al Lab			Instrume	nt Location		LABORATOR	RY	
		nvironme	ntal Condition	-	, ,		Calibrat	ion Meth	od Used		
Tempera	ature (°C)	23.9	Humidity (%RH)		55	National	/ International Stand	ard	ISO 8655-6:20	02	
	neric Pressure (mbar)	1006	Water Temperature	(°C)	21.6	Cal Proce	edure No		SBS/CP/ML/0	8	
Standare	i Used	<u> </u>	<u> </u>							_	
SI. No.	Description	ID.	No. / SI. No.	No. / SI. No.		No.	Make/Model	Traceability		Valid till	
1	Electronic Weighing Balance		15112918	TVCSPL		2115-01	A&D & GH-252	Nation	al Standards	09-12-2023	
		<u> </u>							Z Factor:	1.00319	
		,,,,		Resu	lt of Calibr	ation in µl					

				Result (of Calibration	n in µl					
Sl. No.	Nominal Value		Obs	erved Reading	s		Mean Value	Systemati c Error	Random Error	Measurement Uncertainty (±)	
		99.86	99,87	99.88	99.87	99.86	99.87	-0.13	0.01	0.47	
1	100	99.87	99.88	99.87	99.86	99.87					
		499.87	499.88	499.86	499.87	499.87	499.86	-0.14	0.01	0.47	
2	500	499.86	499.86	499.85	499.86	499.86	499.86				
		998.76	998.77	998.76	998.74	998.72	998.75	-1.25	0.02	0.47	
3	3 1000	998 77	998.76	998,77	998.72	998.72	//0./5	5		0.17	

- 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 tops confidence level of approximately 95% for a coverage factor k=2.00. estimated PUICA specified in ISO 3696.

600 032

7. Calibration Liquid Used: Distilled or Deionized

Calibrated By,

(Calibration Engineer) M.ADHIBAN

Authorised by:

Quality Martager/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	IBRAT	ION CE	RTIFIC	CATE			
Certificat	te No: SBS/CL/23/13909	•								Page, No: 1 of 1
Custome	r Name & Address									
						SRF No.			SRF/23/00836	-0005
GOVERN	IMENT PRIMARY HEA	LTH CENT	RE,			SRF Date			09-10-2023	
KONERI	RAJAPURAM-612201,M	IAYILADU	THURAI DISTRIC	T.		Date of Receipt			07-10-2023	
						Date of Calibration			09-10-2023	
						Due Date	for Calibration		08-10-2024	
						Issue Date	e		09-10-2023	
Details o	f Unit Under Calibratio	on	<u> </u>							
Description Micro Pipette Make ERBA					ERBA BIOHIT					
Range		10-100µl				Model			NA	
Resoluti	on	1րվ		<u> </u>		Material			PVC	
Serial N	umber	7066718			<u>.</u>	Operating	g Range		10-100µ1	
ID Num	ber	NA				Condition	of UUC		Good	<u></u>
Cal. At		Mechanica	il Lab			Instrume	nt Location		LABORATO	RY
		nvironmer	ntal Condition				Calibrat	ion Metho	od Used	
Tempera	sture (°C)	23.9	Humidity (%RH)	55	National .	/ International Standa	ard	ISO 8655-6:20	002
Atmospheric Pressure (mbar) 1006 Water Temperature (°C)		(°C)	21.6	Cal Procedure No			SBS/CP/ML/	08		
Standard	d Used	<u> </u>	<u> </u>							
SI. No.	Description	ID.	No. / SI. No.	•	Certificate No.		Make/Model	Trac	eability	Valid till
1	Electronic Weighing		15112918	TVC	CSPL22/12/2115	5-01	A&D & GH-252	Nation	al Standards	09-12-2023

Z Factor: 1.00319

				Result	of Calibratio	n in µl		<u> </u>			
Sl. No.	Nominal Value		Obs	erved Reading	;s		Mean Value	Systemati c Error	Random Error	Measurement Uncertainty (±)	
	10	9,90	9.92	9.88	9.91	9.92	9.91	-0.09	0.01	0.47	
1	10	9.91	9.92	9.93 9.92 9.90	2.71	-0.05	0.01				
	FO	49.78	49.76	49.74	49.72	49.74	49.74	-0.26	0.02	0.47	
2	50	49.76	49.75	49.73	49.72	49.71	27.71	-0.20	0.02		
	100	98.92	98.94	98.94	98.96	98.92	98.93	-1.07	0.02	0.47	
3	3 100	98.91	98.93	98.94	98.92	98.91	90,73	-1.07	0.02	0.47	

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.

Calibrated By,

M. Adkiton (Calibration Engineer) M.ADHIBAN 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.