

			<u>CA</u>	LIBRA	TION	V CEF	RTIFI	C/	NTE		
CER	TIFICATE N	O: SB	S/CL/23/14628			N	MEDICAL	DE	VICES	Page No:1 of 1	
Issue	Date	•		-	14-10-	2023					
SRF	No & Date				SRF/2	3/00886-0	001 & 13	-10-2	2023		
Rece	ipt Date				13-10-	2023					
Calibration Date						2023					
	ration Due				12-10-	2024					
	<u>omer Name</u>									<u> </u>	
			RY HEALTH CENT						<u> </u>		
RAY	AKOTTAI-63	351 _{16,}	KRISHNAGIRI DISTI	RICT.							
				Details of	Device L	Jnder Calib	ration (D	UC)			
Descr	iption	:	SEMI AUTO ANALY	/ZER	Make & Model : ROBONIK & PRIETES				TOUCH		
Range	Ð	:	MULTI		Sr. No : ATCD3			ATCD3670321RBK	TCD3670321RBK		
Resol	ution	:	MULTI		Identific	cation No		:	NA		
DUC (Condition	_:	SATISFACTORY		Locatio			:	LABORATORY		
			Envir	onmental Co	nditions	& Calibrati	on Proce	dure	Details		
	onmental Det		Temperature		F	Relative Hui	midity		52% RH		
Calibr	ation Proced	ure No	SBS/CP/MD	/20		Calibration of	done at		ONSITE		
	·			Ref	ference S	tandards [Details				
				Make/ SI No	0:		Certific	ate l	No	Validity	
3.140	1 Electrical Safety Analyser Rigel Me				cal & 44L-1059		M-230809-16-4				

ELECTRICAL SAFETY

RESULTS

S.no	SPECIFICATION	MEASURED VALUES	EXPANDED UNCERTAINTY (±)
1	Insulation Resisitance	Measured values in MΩ	Uncertainty in % (±)
	> <u>2</u> 0MΩ	89	13.92
2	Earth Leakage	Measured values in µA	Uncertainty in % (±)
	<5000µAfor B,BF,CF	146	7.9
3	Enclosure Leakage	Measured values in μA	Uncertainty in % (±)
	<500µAfor B,BF,CF	223	7.3

<u>REMARKS</u>

- 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)
E.ESWAR





Chief Executive

Authorised Signatory



			9	CALIE	BRA	TION	CER1	TIFICATI				
CERTI	FICATE NO) :	SBS/CL/23/1	4629				MECHANICAL	F	Page No:1 of 1		
Issue [Date		·· ·			14-10-2	023					
SRF N	o & Date					SRF/23/00886-0002 & 13-10-2023						
Receip	t Date					13-10-20	023					
Calibration Date						13-10-20	023					
Calibra	ition Due					12-10-20	024					
Custo	mer Name	& Add	ress									
GOVE	RNMENT P	RIMA	RY HEALTH CE	NTRE,								
RAYA	COTTAI-63	5116,K	RISHNAGIRI D	STRICT.								
				Det	ails of D	evice Un	der Calibra	ation (DUC)				
Descri	otion	:	CENTRIFUG	E	Make & Model :			:	B.D INSTRUMEN	TS & BDI-152		
Range		:	3500 RF	M	Sr. No			;	NA			
Resolu	ition	:	1 RI	РМ		Identification No			NA			
DUC C	ondition	:	Satisfactory			Location)	:	LABORATORY			
			Enviro	nmental C	ondition	ns & Stai	ndard Oper	ating Procedu	re Details			
Enviro	nmental De	tails	Te	mperature	: 25.4°	C	Relative H	umidity	54% Rh			
Calibra	tion Proced	lure N	o SE	S/CP/ML/	04		Calibration	done at	ONSITE			
					Refe	rence Sta	andards De	tails	•			
S.No	Descriptio	n			Make/ S	SI No:		Certificate N	lo	Validity		
1	Digital Tacl	nomete	er		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

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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	OMEBICAL OF	Authorised Signatory
(Calibration Engineer) E.ESWAR	Chennai 600 032	Quality Manager Chi (C.SIVABALAN)

SUNSHINE BIOMEDICAL SOLUTIONS

Chief Executive



				CAL	LIBRA	TIO	N CER	TIFIC	ATE		
CERT	IFICATE N	O: SB	S/CL/23/	14630		Ţ	M	EDICAL I	DEVICES		Page No:1 of 1
Issue	Date					14-10	_				
SRF 1	No & Date					SRF/	23/00886-00	03 & 13-1	10-2023		
Recei	pt Date					13-10	0-2023				
Calibration Date						13-10	0-2023				
Calibration Due							0-2024				
Custo	mer Name	& Add	ress								
GOVE	RNMENT	PRIMA	RY HEA	LTH CENTRE	Ξ,						
RAYA	KOTTAI-63	5116,I	KRISHNA	GIRI DISTR	ICT.						
					Details of [Device	Under Calib	ration (DU	IC)		
Descri	ption	:	ELECT SAFET	RICAL Y(MICROSCO	PPE)	Make	& Model	:	LABO	MED & CXL PLUS	3
Range	•	:	MULTI			Sr. No : NA					
Resolu	ution	;	MULTI			Identi	fication No	:	NA		
DUC (Condition	:	SATISE	ACTORY		Locat	tion	:	LABO	RATORY	
				Enviro	nmental Con	dition	s & Calibratio	on Proced	ure Detalls		
Enviro	nmental Det	ails		Temperature:	25.6°C		Relative Hun	nidity	52% F	RH .	
Calibra	ation Proced	ure No		SBS/CP/MD/2	29	Calibration done at ONSITE			ΓE		
					Refe	erence	Standards D	etails	_		
S.No	Description				Make/ SI No	:		Certifica	te No		Validity
1 Electrical Safety Analyser Rigel Med					Rigel Medica	1 & 441	-1050	M-23080	0-16-4	10-08-2024	

ELECTRICAL SAFETY

RESI	II TS

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	155	7.8
3	Enclosure Leakage	Measured values in μA	Uncertainty in % (±)
	<500µAfor B,BF,CF	204	7.3

REMARKS

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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

Authorised Signatory

(Calibration Engineer) E.ESWAR





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Chief	Exe	CUIIVE



			CAL	IDKA	TON C	<u>ERTIFI</u>	CAIE				
	e No: SBS/CL/23/14631									Page. No : 1 of 1	
Customer	r Name & Address	<u> </u>	·····						· · · · · · · · · · · · · · · · · · ·		
						SRF No.			SRF/23/00886	-0004	
GOVERN	MENT PRIMARY HEA	LTH CENT	ΓRE,			SRF Date	SRF Date				
RAYAKO	OTTAI-635116,KRISHN	AGIRI DIST	RICT.			Date of F	leceipt		12-10-2023		
						Date of C	alibration		13-10-2023		
						Due Date	e for Calibration		12-10-2024		
						Issue Da	Issue Date 14-10-202				
Details o	f Unit Under Calibratio	on									
Description Micro Pipette						Make			NA		
lange		10-100µl				Model			NA		
Resolutio	on	0.2μ1				Material	Material				
Serial Nu	ımber	NA				Operatin	Operating Range				
D Numb	er 	NA				Conditio	n of UUC		Good		
Cal. At		Mechanical Lab					Instrument Location			LABORATORY	
	I	invironmer	ntal Condition				Calibrat	ion Metho	od Used	· · ·	
Tempera	ture (°C)	23.8	Humidity (%RH)	53	National	/ International Stand	ard	ISO 8655-6:20	002	
Atmosph	eric Pressure (mbar)	1006	Water Temperature	: (°C)	21.6	Cal Proce	edure No		SBS/CP/ML/0	08	
Standard	Used	•							<u></u>		
SI. No.	Description	ID.	No. / SI. No.		Certificate No.		Make/Model		Traceability		
1	Electronic Weighing Balance	1	15112918	TVCSPL22/12/2115-		115-01	A&D & GH-252	Nationa	al Standards	09-12-2023	
	•			•			•	<u> </u>	Z Factor:	1.00319	

				Result	of Calibratio	n in µl					
Sl. No.	Nominal Value		Obs	erved Reading	çs.		Mean Value	Systemati c Error	Random Error	Measurement Uncertainty (±)	
1	10.0	9.90	9.92	9.88	9.91	9.92	9.91	-0.09	0.01	0.47	
_	10.0	9.91	9.92	9.93	9.92	9.90	9.91	10.03	0.01	0.47	
2	50.0	49.78	49.76	49.74	49.72	49.74	40.84	224		0.47	
2	50.0	49.76	49.75	49.73	49.72	49.71	49.74	-0.26	0.02		
3	100.0	98.92	98.94	98.94	98.96	98.92		1.07	0.00	0.45	
J	100.0	98.91	98.93	98.94	98.92	98.91	98.93	-1.07	0.02	0.47	

Remarks

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- 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 controlled 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.



			<u>CAL</u>	<u>IBRAT</u>	<u>TION CL</u>	<u>ERTIFI</u>	<u>CATE</u>			
Certificat	ie No: SBS/CL/23/14632	!								Page. No : 1 of 1
Custome	r Name & Address									
	•					SRF No.			SRF/23/00886	-0005
GOVERN	IMENT PRIMARY HEA	ALTH CEN	TRE,			SRF Date			13-10-2023	
RAYAKC	OTTAI-635116,KRISHN	AGIRI DIST	TRICT.			Date of Receipt			12-10-2023	
						Date of C	Calibration		13-10-2023	
						Due Date	e for Calibration		12-10-2024	
						Issue Date			14-10-2023	
Details o	f Unit Under Calibratie	on								
Descripti	on	Micro Pip	ette		Make NA					
lange		100-1000ր	100-1000µI			Model			NA	
Resolutio	on	1µl				Material			PVC	
Serial Nu	ımber	NA				Operatin	Operating Range			, , , , ,
D Numb	er	NA	Condition of UUC Good			Condition of UUC			Good	
Cal. At		Mechanic	al Lab			Instrume	ent Location		LABORATO	RY
	I	nvironme	ntal Condition				Calibrat	ion Meth	od Used	- ·
Temperat	ture (°C)	23.8	Humidity (%RH)	53	National	/ International Stand	ard	ISO 8655-6:20	002
Atmosph	eric Pressure (mbar)	1006	Water Temperature	: (°C)	21.6	Cal Proce	edure No		SBS/CP/MIL/0	8
Standard	Used				<u>'</u>				 .	·
SI. No.	Description	ID.	ID.No. / SI. No. Certifica		No. / SI. No. Certificate No. Make/Model		Tra	ceability	Valid till	
1	Electronic Weighing Balance	15112918		TVCSPL22/12/2115-0		5-01	A&D & GH-252	Nation	al Standards	09-12-202
				-			•		Z Factor:	1 00319

Result of Calibration in μΙ										
Sl. No.	Nominal Value	Observed Readings					Mean Value	Systemati c Error	Random Error	Measurement Uncertainty (±)
1	100	100.10	100,12	100.14	100,16	100.14	100.14	0.14	0.02	0.47
		100.14	100.14	100.16	100.14	100.12				
2	500	500.31	500.32	500.34	500.36	500.34	500.34	0.34	0.02	0.47
		500.32	500.34	500.36	500.34	500.34				
3	1000	1001.20	1001.22	1001.23	1001.2 4	1001.25	1001.25	1.25	0.03	0.47
		1001.26	1001.25	1001.27	1001.28	1001.29				

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. 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 contemple Grade3 as specified in ISO 3696.

Calibrated By,

M Adlubang (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.