

			CALI	BRATIO	V CER	TIFICA	<u>TE</u>		
CER	TIFICATE NO:	SBS/CL/2	3/14175		N	MEDICAL DE	VICES	Page No:1 of 1	
Issue	Date			12-1	0-2023			<u> </u>	
SRF	No & Date			SRF	/23/00863-0	001 & 11-10-	-2023		
Receipt Date					0-2023				
Calib	ration Date			11-1	0-2023				
Calib	ration Due			10-1	0-2024				
Custo	omer Name & A	dress		•					
			ALTH CENTRE, SALPATTU DIST						
			D	etails of Device L	Inder Calibra	ation (DUC)			
Descr	ription :	SEMI	AUTO ANALYZE	R Make	e & Model	:	ROBONIK & PRIETEST TOUCH		
Range	e :	MUL	П	Sr. N	0	:	ATCD0021220RBK		
Resol	ution :	MUL	ΓΙ	Ident	ification No	:	NA		
DUC (Condition :	SATI	SFACTORY	Loca	tion	:	BIOCHEMISTRY LAB		
			Environme	ental Conditions	& Calibration	n Procedure	Details		
Enviro	onmental Details		Temperature:25	5.6°C	Relative Hu	midity	52% RH		
Calibr	ation Procedure	No	SBS/CP/MD/20		Calibration of	ione at	ONSITE	· · · · · · · · · · · · · · · · · · ·	
				Reference S	tandards De	tails	, , ,		
S.No	Description		N	fake/ SI No:		Certificate	No	Validity	
1 Electrical Safety Analyser Rigel			Rigel Medical & 44	L-10 5 9	M-230809-	M-230809-16-4			

ELECTRICAL SAFETY

		_	
R	ESI	JL	TS

S.no	SPECIFICATION	MEASURED VALUES	EXPANDED UNCERTAINTY (±)
1	Insulation Resisitance	Measured values in MΩ	Uncertainty in % (±)
	>20MΩ	87	13.92
2	Earth Leakage	Measured values in µA	Uncertainty in % (±)
	<5000µAfor B,BF,CF	195	93
3	Enclosure Leakage	Measured values in μA	Uncertainty in % (±)
	<500µAfor B,BF,CF	241	8.4

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.
- 6. Equipment used for Calibration were calibrated & traceable to National & International Standards.

Calibrated By

(Calibration Engineer

P.PRASANNA

Chennai 600 032

Technical Manager (C.SHANMUGARAJ)

Chief Executive

Authorised Signatory



				CALIB	RAT	10	N CER	TIFICA	TE.			
CERT	FICATE NO):	SBS/CL/2	3/14176		***		MECHANIC	CAL	Page No:1 of 1		
issue l	Date					12-10-2023						
SRF N	lo & Date					SRF/23/00863-0002 & 11-10-2023						
Receip	ot Date				11-10-2023							
Calibra	ation Date					11-10-2023						
Calibra	ation Due					10-10	0-2024					
Custor	ner Name &	Addres	<u>s</u>									
GOVE	RNMENT P	RIMAR	Y HEALTH	CENTRE,						·		
L.END	ATHUR-603	3406,CI	HENGALPA	TTU DISTRIC	CT.							
				Detai	ils of De	vice (Jnder Calibr	ation (DUC	;)			
Descri	ption	:	CENTRIF	JGE		Make	e & Model	:	REMI & C-85	52		
Range	!	:		5250 RPM		Sr. No :			BHLC-2230			
Resolu	ution	:		10 RPM		Ident	ification No	;	NA			
DUC (Condition		Satisfactor	ry		Loca	tion	:	LABORATORY			
		_	Envir	onmental Co	nditions	& S	andard Ope	rating Pro	edure Details	· · · · · · · · · · · · · · · · · · ·		
Enviro	nmental De	tails		Temperature	: 25.5 °C	;	Relative Hur	midity	52%Rh			
Calibra	ation Proced	lure No		SBS/CP/ML/	04		Calibration of	one at	ONSITE	·		
					Refere	псе 🤄	Standards D	etails	•	·		
S.No	Descriptio	n		**	Make/ SI No:		Certificate	Validity				
1	1 Digital Tachometer			LINE SEIKI / 175-0034V		JRPM-CC	13 09-06-202					

CALIBRATION RESULTS

S.No	DEVICE UNDER CALIBRATION	STANDARD INSTRUMENTS	DEVIATION	EXPANDED UNCERTAINTY		
	RPM	RPM	RPM	%		
1	1000	998.9	1.1	4.2		
2	3000	2999.5	0.5	4.2		
3	5000	4999.6	0.4	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)
P.PRASANNA



Authorised Signatory

(Quality Manager) (Chief Executive)

(C.SIVABALAN)



				CALI	BRAT	101	CERT	TIFI(CA	<u>TE</u>		
CERT	IFICATE NO:	SBS/C	L/23/1	4177			₽.	IEDICA	L DE	VICES	Page No	o:1 of 1
Issue	Date					12-10-2023						
SRF I	No & Date					SRF/	23/00863-00	003 & 1	1-10-	2023		
Receipt Date						11-10	-2023					
Calibration Date						11-10)-2023					
Calibration Due						10-10	-2024					
Custo	mer Name & A	ddress			·							
GOVE	RNMENT PR	MARY	HEAL	TH CENTRE	1							
L.EN	DATHUR-6034	06,CHI	ENGA	LPATTU DIS	TRICT.							
					etails of De	vice U	nder Calibra	tion (D	UC)			
		Е	LECT	RICAL								
Descri	iption :	S	AFET	r(MICROSCO	PE)	Make	& Model		:	ZOOM SCIENTIFIC	WORLD & ZE	3CM-08
Range	:	N	MULTI			Sr. No)		:	474433		
Resolu	ution :	N	MULTI			Identi	fication No		:	NA		
DUC (Condition :	S	ATISF	ACTORY		Locat	ion		:	LABORATORY		
				Environm	ental Condi	tions (& Calibration	Proce	dure l	Details		
Enviro	nmental Details			Temperature:2	5.6°C		Relative Hur	nidity		52% RH		
Calibr	ation Procedure	No		SBS/CP/MD/2	9	Calibration done at ONSITE			ONSITE			
					Refere	nce S	tandards De	tails				
S.No	Description				Make/ SI No:	l No:		Certificate No			V	alidity
1 Electrical Safety Analyser Rigel Me			Rigel Medica	cal & 44L-1059 M-23080			30809-16-4			0-08-202		

ELECTRICAL SAFETY

RESULTS

.no	SPECIFICATION	MEASURED VALUES	EXPANDED UNCERTAINTY (±)
1	Insulation Resisitance	Measured values in MΩ	Uncertainty in % (±)
	>20MΩ	92	13.92
2	Earth Leakage	Measured values in µA	Uncertainty in % (±)
	<5000µAfor B,BF,CF	181	9.7
3	Enclosure Leakage	Measured values in μA	Uncertainty in % (±)
	<500µAfor B,BF,CF	222	8.7

REMARKS

- 1. This Calibration certificate shall not be reproduced except in full, without written approval of the laboratory.
- $\label{eq:continuous} \textbf{2.} \textbf{The user should determine the suitability of the instrument for its intended use.}$
- 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 .

Calibration Engineer)
P.PRASANNA





Chief Executive



			CAL	<u>IBRA1</u>	TION (CERTI	FICATE			
CERTI	FICATE NO:	SBS/CL/23/14	178				THERMAL	Page No:1 of 1		
Issue [Date	-			12-10-20	23		•	=	
SRF N	o & Date				SRF/23/	00863-0004	& 11-10-2023)		
Receip	t Date				11-10-20	23				
Calibration Date						23				
Calibra	tion Due				10-10-20	24				
Custon	ner Name & Addr	ess_								
GOVE	RNMENT PRIMA	RY HEALTH CEN	TRE,				-			
L.END	ATHUR-603406,	CHENGALPATTU	DISTRICT.							
				Details of De	vice Und	er Calibrati	on (DUC)			
Descri	otion	TEMPERATUR SENSOR OF (Make &	Model		HAIER & HRD-1905-BR		
Range		: 2-8	°C		Sr. No		: BS0921E8000PIEA5020		9	
Resolu	ition	: 0.1	°C		Identification No : NA			NA		
DUC C	ondition	: Satisfactory			Location			LABORATORY		
			Environm	nental Cond	itlons & C	alibration I	rocedure De	tails		
Enviro	nmental Details		Temperature	e: 25.3°C		Relative Hu	ımidity	54% Rh		
Calibra	tion Procedure N	No OF	SBS/CP/TH/	04		Calibration	done at	ONSITE		
				Refere	ence Stan	dards Deta	ils	•		
S.No	Description			Make/ SI No	ke/ SI No:		Certificate	No	Validity	
1	RTD Sensor with	n paperless Record	der	Tempsens & TD0920021	& Tempsens / 18		TMS/22/62 01		10-11-2023	
CALIB	RATION RESUL	.TS					_	· · · · · · · · · · · · · · · · · · ·	·	

S.No.	DEVICE UNDER CALIBRATION READINGS	STANDARD INSTRUMENTS READINGS	DEVIATION	EXPANDED UNCERTAINTY (±)
	•c	•C	∘C	•¢
1	2.0	1.8	0.2	0.62
2	4.0	3.7	0.3	0.62
3	8.0	7.7	0.3	0.62

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
- 7. Temperature Scale:International Temperature Scale,1990(ITS-90)

(Calibration Engineer)
P.PRASANNA

Calibrated By



Authorised Signatory

(Quality Manager) (Chief Executive)
(C.SIVABALAN)



		CALIBRA	ATION	N CERTIFICATE		
Certificate No: SBS/CL/23/1417	9				Page, No: 1 of 1	
Customer Name & Address						
GOVERNMENT PRIMARY HE.	ALTH CEN	VTRE,		SRF No.	SRF/23/00863-0005	
L.ENDATHUR-603406,CHENG	ALPATTU	DISTRICT.		SRF Date	11-10-2023	
				Date of Receipt	10-10-2023	
				Date of Calibration	11-10-2023	
				Due Date for Calibration	10-10-2024	
				Issue Date	12-10-2023	
Details of Unit Under Calibrat	ion					
Description	Micro Pi	pette		Make	THERMO SCIENTIFIC	
Range	100-1000	μί		Model	FINNPIPETTE F3	
Resolution	1ա			Material	PVC	
Serial Number	RW1211	6		Operating Range	100-1000μ1	
ID Number	NA			Condition of UUC	Good	
Cal. At	Mechani	cal Lab		Instrument Location	LABORATORY	
Env	vironment	al Condition		Calibration M	ethod Used	
Temperature (°C)	23.9	Humidity (%RH)	55	National / International Standard	ISO 8655-6:2002	
Atmospheric Pressure (mbar)	1006	Water Temperature (°C)	21.6	Cal Procedure No	SBS/CP/ML/08	
Standard Used	•		•	• • • • • • • • • • • • • • • • • • • •		

Z	Factor:	1.00319

Valid till

09-12-2023

Traceability

National Standards

	Result of Calibration in µl											
Sl. No.	Nominal Observed Readings					Mean Value	Systemati c Error	Random Error	Measurement Uncertainty (±)			
1	100	99.85	99.87	99.85	99.84	99.95	99.89	-0.11	0.04	0.45		
1	100	99.89	99.95	99.90		77.07	-0.11	0.04	0.47			
2	500	499.90	499.95	499.90	499.90	499.95	400.00	0.10		0.47		
2	300	499,89	499.88	499.85	499.85	499.90	499.90	-0.10	0.03			
3	1000	999.89	999.88	999.89	999.87	999.90		0.00	0.02	0.47		
J	1000	999.93	999.90	999.91	999.94	999.95	999.91	-0.09	0.03	0.47		

Certificate No.

TVCSPL22/12/2115-01

Make/Model

A&D & GH-252

Remarks

SI. No.

Description

Electronic Weighing

Balance

- 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.

ID.No. / SI. No.

15112918

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

Calibrated By,

(Calibration Engineer) MADHIBAN

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>CALIBR</u>	ATION	CERTIFICATE	
Certificate No: SBS/CL/23/1418	30				Page. No: 1 of 1
Customer Name & Address					-
GOVERNMENT PRIMARY HE	ALTH CEN	ITRE,	-	SRF No.	SRF/23/00863-0006
L.ENDATHUR-603406,CHENC	GALPATTU	DISTRICT.		SRF Date	11-10-2023
				Date of Receipt	10-10-2023
				Date of Calibration	11-10-2023
				Due Date for Calibration	10-10-2024
				Issue Date	12-10-2023
Details of Unit Under Calibrat	ion	·			
Description	Micro Pip	pette	_	Make	THERMO SCIENTIFIC
Range	10-100μ1			Model	FINNPIPETTE F3
Resolution	0.2μ1			Material	PVC
Serial Number	RW07996	j		Operating Range	10-100µl
D Number	NA			Condition of UUC	Good
Cal. At	Mechanic	cal Lab		Instrument Location	LABORATORY
En	vironmenta	l Condition	Calibration Me	ethod Used	
emperature (°C)	23.7	Humidity (%RH)	56	National / International Standard	ISO 8655-6:2002
atmospheric Pressure (mbar)	1006	Water Temperature (°C)	21.6	Cal Procedure No	SBS/CP/MIL/08
Standard Used		<u> </u>			
SI No Description	ID N	/CI NI-	5 ::5 :		

SI. No. Description ID.No. / SI. No. Certificate No. Make/Model Traceability Valid till Electronic Weighing 1 15112918 TVCSPL22/12/2115-01 A&D & GH-252 National Standards 09-12-2023 Balance

Result of Calibration in µl											
Sl. No.	Nominal Value		01	served Read	lings	Mean Value	Systemati c Error	Random Error	Measurement Uncertainty (±)		
1	1 10.0	9.94	9.97	9,94	9.96	9.93					
		9.98 9.95 9.92 9.97 9.96	9.95	-0.05	0.02	0.47					
2	50.0	49.85	49.86	49.87	49.82	49.83					
		49.87	49.85	49.82	49.89 49.87	49.85	-0.15	0.02	0.47		
3	100.0	99.94	99.97	99.96	99.95	99.98	99.95			0.47	
, l	100.0	99.93	99.95	99.97	99,94	99.95		-0.05	0.02		

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.

Chennai

600 032

7. Calibration Liquid Used: Distilled or Deionized water to have a specified in ISO 36%.

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.



		CALIBRA	ATION	V CERTIFICATE	
Certificate No: SBS/CL/23/1418	31				Page. No: 1 of 1
Customer Name & Address					
GOVERNMENT PRIMARY HE	ALTH CEN	TRE,		SRF No.	SRF/23/00863-0007
L.ENDATHUR-603406,CHENG	JALPATTU I	DISTRICT.		SRF Date	11-10-2023
				Date of Receipt	10-10-2023
				Date of Calibration	11-10-2023
				Due Date for Calibration	10-10-2024
				Issue Date	12-10-2023
Details of Unit Under Calibrat	ion				
Description	Micro Pipe	ette		Make	NA
Range	100µl FIXE	ED		Model	NA
Resolution				Material	PVC
Serial Number	NA			Operating Range	100µl FIXED
ID Number	NA			Condition of UUC	Good
Cal. At	Mechanica	ıl Lab		Instrument Location	LABORATORY
En	vironmental	Condition		Calibration M	lethod Used
Temperature (°C)	ature (°C) 23.7 Humidity (%RH) 56 Nat		National / International Standard	ISO 8655-6:2002	
Atmospheric Pressure (mbar)	1006	1006 Water Temperature (°C)		Cal Procedure No	SBS/CP/ML/08
Standard Used	-1				
SI. No. Description	ID.No.	/ SI. No.	Certificate	No Maka/Model	T

SI. No.	Description	ID.No. / SI. No. Certificate No. Make/Model		Traceability	Valid till	
1	Electronic Weighing Balance	15112918	TVCSPL22/12/2115-01	A&D & GH-252	National Standards	09-12-2023
				<u> </u>		<u></u>

<u> </u>	Result of Calibration in µl												
Sl. No.	Nominal Value	Observed Readings					Mean Value	Systemati c Error	Random Error	Measurement Uncertainty (±)			
,	100	99.94	99.97	99.96	99.95	99.98							
	100	99.93	99.95	99.97	99.94	99.95	99.95	-0.05	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 coverage factor k=2.00.

 7. Calibration Liquid Used: Distilled or Deionized water contents and the contents of the contents of

Chennai

600 032

de3 as specified in ISO 3696.

Calibrated By,

M-Adluban (Calibration Engineer M.ADHIBAN

Authorised by:

Quality Manager Chief Executive)



		CA	LIBRA	ATION	CERTI	FICATE	
Certificate No: SBS/CL/23/1418	2						Page. No: 1 of 1
Customer Name & Address	-						
GOVERNMENT PRIMARY HE	ALTH CEN	TRE,	-		SRF No.		SRF/23/00863-0008
L.ENDATHUR-603406,CHENGALPATTU DISTRICT.					SRF Date		11-10-2023
					Date of R	eceipt	10-10-2023
					Date of C	alibration	11-10-2023
					Due Date	for Calibration	10-10-2024
					Issue Dat	e	12-10-2023
Details of Unit Under Calibrat	ion						
Description	Micro Pip	ette			Make		MICROLUX
Range	1000µl FD	ŒD			Model		NA
Resolution					Material	· · · · · · · · · · · · · · · · · · ·	PVC
Serial Number	NA				Operating	g Range	1000µl FIXED
ID Number	NA				Condition	a of UUC	Good
Cal. At	Mechanica	l Lab			Instrume	nt Location	LABORATORY
En	vironmental	Condition		······································		Calibration M	lethod Used
Temperature (°C)	23.9	Humidity	(%RH)	55	National / International Standard		ISO 8655-6:2002
Atmospheric Pressure (mbar)	1006	Water Temp	erature (°C)	21.6	Cal Proce	dure No	SBS/CP/ML/08
Standard Used	<u> </u>	·					
SI No Description	ID No.	/SL No	T	Cortificato N	_	Maladal	T

SI. No.	Description	ID.No. / SI. No.	Certificate No.	Make/Model	Traceability	Valid till
1	Electronic Weighing Balance	15112918	TVCSPL22/12/2115-01	A&D & GH-252	National Standards	09-12-2023

Manager/Chief Executive)

	Result of Calibration in µl											
Sl. No.	Nominal Value	Observed Readings				Mean Value	Systemati c Error	Random Error	Measurement Uncertainty (±)			
,	1000	999.89	999.88	999.89	999.87	999.90	000.04					
	1000	999.93	999.90	999.91	999.94	999.95	999.91	-0.09	0.03	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.
- 7. Calibration Liquid Used: Distilled or Deionized water of the liquid Used: de3 as specified in ISO 3696.

Calibrated By,

M. Ad Riband (Calibration Engineer) M.ADHIBAN

Chennai Authorised by: 600 032