

<u>C</u>	ALIBRA1	TION CEI	RTIFICAT	Γ <u>E</u>	
CERTIFICATE NO: SBS/CL/23/13	326		MECHANI	CAL	Page No:1 of 1
Issue Date		07-10-2023			
SRF No & Date		SRF/23/00723-	0001 & 07-10-20	23	
Receipt Date		07-10-2023			
Calibration Date		07-10-2023			
Calibration Due		06-10-2024			
Customer Name & Address					
GOVERNMENT PRIMARY HEALTH CEN	TRE,				
AYYARMALAI-639120,KARUR DISTRICT					
	Details of De	vice Under Cal	bration (DUC)		
Description : CENTRIFUGE		Make & Model	:	REMI & NA	
Range : 5250 RPM	Л	Sr. No	:	ZIHN-31698	
Resolution : 10 RPN	1	Identification No	:	NA	
DUC Condition : Satisfactory		Location	:	LABORATORY	
	ental Conditions	s & Standard O	erating Proced	lure Details	
Environmental Details Tem	perature: 25.3°C	Relativ	Humidity	55% Rh	
Calibration Procedure No SBS	/CP/ML/04	Calibra	tion done at	ONSITE	
	Refere	nce Standards	Details	•	
S.No Description	Make/ S	l No:	Certificate	No	Validity
1 Digital Tachometer	LINE SE	SEIKI / 175-0034V JRPM-CCTR-A&S-2023-0013			***************************************

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	1999.5	0.5	4.2
3	3000	2999.6	0.4	4.2

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. 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

(Quality Manager)	Г
(C.SIVABALAN)	

(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	101	I CERT	TIFIC	A	TE_	
CERT	TIFICATE N	O: SBS	S/CL/23/	13327			M	EDICAL	DE	VICES	Page No:1 of 1
Issue	Date					07-10	0-2023				
SRF	No & Date					SRF	23/00723-00	02 & 07	-10-	2023	
Rece	ipt Date					07-10	0-2023				
Calib	ration Date					07-10	0-2023				
Calibi	ration Due					06-10	0-2024				
Custo	omer Name	& Add	ress								
GOVI	ERNMENT	PRIMAI	RY HEA	LTH CENTRE	Ξ,						
AYYA	RMALAI-63	89120,K	(ARUR [DISTRICT.							
					Details of De	vice U	nder Calibra	tion (DU	C)		
Descr	iption	:		RICAL SAFET DSCOPE)	Υ	Make	& Model		:	LABOMED & NA	
Range	Э		MULTI			Sr. N	o			190614743	
Resol	ution		MULTI			Identi	fication No			NA	
DUC (Condition	:	SATISE	FACTORY		Locat	ion			LABORATORY	
				Environr	nental Condi	tions	& Calibration	Proced	ure l	Details	
Enviro	onmental Det	ails		Temperature:	25.6 ° C		Relative Hum	nidity		52% RH	
Calibration Procedure No SBS/CP/MD/29					29	Calibration done at ONSITE			ONSITE		
					Refere	nce S	tandards Det	ails		•	
S.No	Description				Make/ SI No:			Certific	ate	No	Validity
1 Electrical Safety Analyser Rigel Medica					Rigel Medica	l & 44I	k 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	99	13.92
2	Earth Leakage	Measured values in µA	Uncertainty in % (±)
	<5000µAfor B,BF,CF	166	7.6
3	Enclosure Leakage	Measured values in µA	Uncertainty in % (±)
	<500µAfor B,BF,CF	213	7.3

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

Calibrated By

Authorised Signatory

(Calibration Engineer)
K.SATHYAMOORTHY



-	Technical Manager
	C.SHANMUGARAJ

	Chief Executive
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		CA	ALIBR	ATION (CERTI	<u>FICATE</u>			
Certificate No: SBS/CL/23/1332	8								Page. No: 1 of 1
Customer Name & Address									
					SRF No.			SRF/23/0072	3-0003
GOVERNMENT PRIMARY HE.	ALTH CENT	ΓRE,			SRF Date			07-10-2023	
AYYARMALAI-639120,KARUR	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 of Unit Under Calibrat	ion								
Description	MICRO PI	IPETTE			Make			THERMO SCIENTIFIC	
Range	10-100µl				Model			FINNPIPETTE F3	
Resolution	0.2μl				Material			PVC	
Serial Number	RW01282				Operating	g Range		10-100µl	
ID Number	NA				Condition	n of UUC		Good	
Cal. At	Mechanica	al Lab			Instrume	nt Location		LABORATO	DRY
En	vironmental	Condition				Calibrati	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 Proce	dure 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

	Result of Calibration in μl													
Sl. No.	Nominal Value		Ol	served Read	lings		Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)				
1	10.0	9.85	9.87	9.86	9.85	9.84	9.84	-0.16	0.02	0.47				
1	10.0	9.80	9.86	9.87	9.82	9.82	9.04	-0.16	0.02	0.47				
2	50.0	49.82	49.97	49.82	49.81	49.82	49.85	-0.15	0.05	0.47				
2	30.0	49.85	49.86	49.87	49.85	49.86	49.03	-0.15	0.05					
3	100.0	99.91	99.92	99.92	99.93	99.94	99.92	0.00	0.04	0.47				
3	100.0	99.90	99.91	99.91	99.92	99.92		-0.08	0.01					

TVCSPL22/12/2115-01

A&D & GH-252

Remarks

Description Electronic Weighing

Balance

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

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)

SUNSHINE BIOMEDICAL SOLUTIONS

No:68, First Floor, Poomagal Main Road, Ekkattuthangal, Chennai - 600 032, Tel: 044 - 2225 2087, $\hbox{E-Mail: calibration@sunshinebiomedical.com, Website: www.sunshinebiomedical.com.}$



		CA	LIBR	ATION	CERTI	FICATE			
Certificate No: SBS/CL/23/1332	9								Page. No: 1 of 1
Customer Name & Address									
					SRF No.		7-10	SRF/23/0072	3-0004
GOVERNMENT PRIMARY HE	ALTH CENT	TRE,			SRF Date			07-10-2023	
AYYARMALAI-639120,KARUR	DISTRICT.				Date of R	eceipt		06-10-2023	
					Date of C	Calibration		07-10-2023	
					Due Date	for Calibration		06-10-2024	
					Issue Dat	e		07-10-2023	
Details of Unit Under Calibrat	ion								
Description	MICRO PI	PETTE			Make			THERMO SCIENTIFIC	
lange	100-1000µl				Model			FINNPIPET	ΓE F3
Sesolution	1µl				Material			PVC	
erial Number	RW02878				Operating	g Range		100-1000µl	
D Number	NA	A			Condition	n of UUC		Good	
Cal. At	Mechanica	l Lab			Instrume	nt Location		LABORATO	RY
Env	vironmental	Condition				Calibrati	on Metho	d Used	
Temperature (°C) 23.9 Humidity (%RH) 55				55	National / International Standard			ISO 8655-6:2002	
Atmospheric Pressure (mbar)	1006	Water Tempe	erature (°C)	21.6	Cal Proce	dure No		SBS/CP/ML/	08
Standard Used	1	1							
SI. No. Description	ID.No.	/ SI. No.		Certificate No		Make/Model	Tra	ceability	Valid till

09-12-2023

National Standards

				Re	sult of Calibr	ation in µl				
Sl. No.	Nominal Value	Observed Readings				Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)	
1	100	99.95	99.96	99.94	99.98	99.96	99.96	0.04	0.01	0.45
1	100	99.96	99.97	99.98	99.97	99.95	99.96	-0.04	0.01	0.47
2	500	499.95	499.96	499.95	499.96	499.97	100.06	2.24	0.04	0.47
2	300	499.96	499.97	499.98	499.98	499.96	499.96	-0.04	0.01	
3	1000	999.98	999.97	999.95	999.96	999.97	999.97			
3	1000	999.96	999.97	999.98	999.96	999.97		-0.03	0.01	0.47

TVCSPL22/12/2115-01

A&D & GH-252

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

Calibrated By,

Electronic Weighing

Balance

M. Adhibans (Calibration Engineer) M.ADHIBAN

Chennai 600 032

Authorised by:

(Quality Manager/Chief Executive) C.SIVABALAN

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