

	<u>CALIB</u>	RATION	I CERT	TIFICA	<u>TE</u>		
CERTIFICATE NO: SBS/CL/23/1	2860		М	EDICAL DE	VICES	Page No:1 of 1	
Issue Date		06-10	0-2023				
SRF No & Date		SRF	23/00627-00	01 & 05-10-	-2023		
Receipt Date		05-10	D- 202 3				
Calibration Date		05-10)-2023				
Calibration Due		04-10)-2024				
Customer Name & Address							
GOVERNMENT PRIMARY HEAL	TH CENTRE,						
M.SUBBULAPURAM-625517,THE	ENI DISTRICT.						
	Deta	ails of Device U	nder Calibrat	ion (DUC)			
Description : SEMI AU Range : MULTI	JTO ANALYZER	R Make & Model			ROBONIK & PRIETEST TOUCH ATCD3701220RBK		
Resolution : MULTI		1	Identification No : NA				
DUC Condition : SATISFA	ACTORY		Location : LABORATORY				
		ital Conditions		Procedure I			
Environmental Details T	emperature:25.6		Relative Hum		52% RH		
Calibration Procedure No S	BS/CP/MD/20		Calibration done at ONSITE			-	
		Reference S	andards Det	ails			
S.No Description	Mal	ke/ SI No:		Certificate	No	Validity	
1 Electrical Safety Analyser					44L-1059 M-230809-16-4		

ELECTRICAL SAFETY

RESU	JLTS

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	180	7.5
3	Enclosure Leakage	Measured values in µA	Uncertainty in % (±)
	<500µAfor B,BF,CF	242	72

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

Prand

P.PRASANNA

Chennai Chennai Technical Manager
C.SHANMUGARAJ

Chief Executive

Authorised Signatory

SUNSHINE BIOMEDICAL SOLUTIONS



				CAL	IBRA1	TION CE	:R1	TIFICA T	TE_	• • • • • • • • • • • • • • • • • • • •	
CERTIF	ICATE N	O: SB	S/CL/23	12861		MEDICAL DEVICES				Page No:1 of 1	
Issue Da	ate					06-10-2023					
SRF No	RF No & Date					SRF/23/006	27-00	02 & 05-10-2	2023		
Receipt	Receipt Date					05-10-2023					
Calibrati	tion Date					05-10-2023					
Calibration Due					04-10-2024						
Custom	ner Name	& Add	<u>iress</u>								
GOVER	RNMENT	PRIMA	RY HEA	LTH CENTR	E,	 -					
M.SUBE	BULAPUF	RAM-62	25517,TI	HENI DISTRI	CT.						
					Details of D	evice Under Ca	libra	tion (DUC)		· · · · · · · · · · · · · · · · · · ·	
Descripti	ion		HAEM	OTOLOGY A	IAI V7ED	Make & Mode	J	:	SYSMEX & XP-100		
Range	,				TAL I ZEIX	Sr. No :			B5896		
-	esolution ; MULTI				Identification (Ma	•	NA			
DUC Condition : SATISFACTORY				Location	NU	•	LABORATORY				
			G/ 1110		mental Cond	litions & Calibr	ation	Procedure D		<u> </u>	
Environm	nental Det	ails		Temperature		Relative			52% RH		
Calibratio	on Proced	ure No		SBS/CP/MD/					ONSITE		
				1	Refer	ence Standard			ONOTE		
S.No De	escription	1			Make/ SI No			Certificate N		Validity	
1 Ele	ectrical Sa	ifety An	alyser		Rigel Medica	al & 44L-1059		M-230809-1	6-4	10-08-2024	
					FI	ECTRICAL SA	FFTY	<u>-</u>			
RESULT	TS										
S.no SPECIFICATION					MEASURED VALUES EXPANDED (EXPANDED UN	ICERTAINTY (±)		
1	Ins		Resisit	ance		Measured values in MΩ			Uncertainty in % (±)		
			ΩΜΩ			98				.92	
2			Leakage			Measured values in µA			Uncertainty in % (±)		

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<5000µAfor B,BF,CF Enclosure Leakage

<500µAfor B,BF,CF

5. The indicated uncertainties are expanded uncertainty estimated for a confidence level of approximately 95% for a coverage factor k=2.00 .

Measured values in µA

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

(Calibration Engineer) P.PRASANNA





Chief Executive

Uncertainty in % (±)

7.3

Authorised Signatory



CAL	IBRATIC	N CERT	TIFICA	<u>TE</u>	
CERTIFICATE NO: SBS/CL/23/12862	Ï	M	VICES	Page No:1 of 1	
Issue Date	06	-10-2023		· · · · · · · · · · · · · · · · · · ·	
SRF No & Date	SF	RF/23/00627-00	03 & 05-10-	2023	
Receipt Date	05	-10-2023			
Calibration Date	05	-10-2023			
Calibration Due	04	-10-2024			
Customer Name & Address	•		-		
GOVERNMENT PRIMARY HEALTH CENTE	RE,				
M.SUBBULAPURAM-625517,THENI DISTR	ICT.				
	Details of Device	Under Calibra	tion (DUC)		
Description ELECTRICAL SAFE	TY			· ".	·
(MICROSCOPE)	Ma	ike & Model	:	BLISCO & NA	
Range : MULTI	\$r.	Sr. No : 3863CMIL			
Resolution : MULTI	lde	entification No	:	NA	
DUC Condition : SATISFACTORY	Loc	Location : LABORATORY			
Enviro	nmental Condition	s & Calibration	Procedure (Details	<u> </u>
Environmental Details Temperature	e:25.6 ° C	Relative Hun	nidity	52% RH	
Calibration Procedure No SBS/CP/MD	/29	Calibration d	ONSITE		
	Reference	Standards Det	ails		
S.No Description	Make/ SI No:		Certificate	No	Validity
1 Electrical Safety Analyser	Rigel Medical & 4	14L-1059	M-230809-1	6-4	10-08-2024

ELECTRICAL SAFETY

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RESI	П	TS	

SPECIFICATION		L .
37 23 137 1137	MEASURED VALUES	EXPANDED UNCERTAINTY (±)
Insulation Resisitance	Measured values in MΩ	Uncertainty in % (±)
>20MΩ	98	13.92
Earth Leakage	Measured values in μA	Uncertainty in % (±)
<5000µAfor B,BF,CF	161	7.6
Enclosure Leakage	Measured values in µA	Uncertainty in % (±)
<500µAfor B,BF,CF	224	7.2
	>20MΩ Earth Leakage <5000μAfor B,BF,CF Enclosure Leakage	>20MΩ 98 Earth Leakage Measured values in μA <5000μAfor B,BF,CF 161 Enclosure Leakage Measured values in μA

REMARKS

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- 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



Chief Executive

Authorised Signatory



			<u>(</u>	CALIB	RATION	I CERTIF	ICATE				
Certificat	te No: SBS/CL/23/13940									Page. No: 1 of 1	
Custome	r Name & Address						-				
					,	SRF No.			SRF/23/00627	-0004	
GOVERN	IMENT PRIMARY HEA	LTH CENTR	RE,			SRF Date	e		05-10-2023	-	
UBBULA	APURAM-625536,THEN	II DISTRICT.				Date of F	Receipt		04-10-2023		
						Date of C	Calibration	-	05-10-2023		
						Due Date	e for Calibration	-	04-10-2024		
						Issue Da	te		06-10-2023		
Details o	f Unit Under Calibratio	n									
Description MICRO PIPETTE						Make		- -	THERMO SCIENTIFIC		
Range		100-1000μl				Model	Model			FINNPIPETTE F3	
Resolutio	on	1μ1				Material	Material				
Serial Nu	mber	RW12629			·-	Operatin	Operating Range				
D Numb	er	NA				Condition	Condition of UUC			Good	
Cal, At		Mechanical	Lab			Instrume	nt Location	LABORATO	RY		
•	E	invironment	al Conditio	n			Calibra	tion Metho	d Used		
Femperal	ture (°C)	23.6	Humidity (%RH)	55	National	/ International Standar	rd	ISO 8655-6:2002		
Atmosph	eric Pressure (mbar)	1006	Water Temp	erature (°C)	21.6	Cal Proce	edure No		SBS/CP/ML/0	8	
Standard	Used										
SI. No.	Description	ID.No./	SI. No.		Certificate l	ficate No. Make/Model Tr		Trac	eability	Valid till	
1	Electronic Weighing Balance 15112918 TVCSPL22/12/2115-0			115-01	A&D & GH-252 Nation			09-12-2023			
							1,		Z Factor:	1.00319	

	Result of Calibration in μl										
Sl. No.	Nominal Value			Observed Rea	adings		Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)	
1	100	99.95 99.89 99.87 99.86 99.85	00.07	242	0.00						
. 1	100	99.86	99.87	99.86	99.87	99.85	99.87	-0.13	0.03	0.47	
2	500	499.89	499.87	499.89	499.86	499.85	400.00			0.47	
2	300	499.85	499.76	499.85	499.86	499.85	499.85	-0.15	0.04		
3	1000	999.78	999.79	999.78	999.77	999.79	999.78	1			
٥	1000	999.75	999.76	999.78	999.78	999.78		-0.22	0.01	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.

600 032

7. Calibration Liquid Used: Distilled or Deionized wa Calibrated By,

M.ADHIBAN

enforming GN Chennai s specified in ISO 3696.

Authorised by:

Quality Manager Chief Executive)

(Calibration Engineer)

SUNSHINE BIOMEDICAL SOLUTIONS



			CALIB	RATION CE	ERTIF	ICATE			
Certificate No: SBS/CL/23/1394	41								Page. No: 1 of 1
Customer Name & Address									
			-		SRF No.			SRF/23/0062	7-0005
GOVERNMENT PRIMARY HE	EALTH CENTI	RE,			SRF Date	a		05-10-2023	
SUBBULAPURAM-625536,THI	ENI DISTRICT				Date of R	leceipt		04-10-2023	
I					Date of C	Calibration		05-10-2023	
İ					Due Date	e for Calibration		04-10-2024	
	 _	·			Issue Dat	łe		06-10-2023	
Details of Unit Under Calibrat	iion								
Description MICRO PIPETTE					Make			THERMO SO	CIENTIFIC
Range	10-100µl				Model			FINNPIPET	 ГЕ F3
Resolution	0.2μ1				Material			PVC	
Serial Number	NA				Operating	g Range	-	10-100µl	
ID Number	NA				Condition	n of UUC		Good	
Cal. At	Mechanical	Lab			Instrume	nt Location		LABORATO	RY
	Environment	tal Conditi	On			Calibrat	ion Metho	3 11 3	
Temperature (°C)	<u> </u>	Humidity (T ₌₌				Т	
		Tunnunty .	(70KH)	55	National /	/ International Standard	d 	ISO 8655-6:20	002
Atmospheric Pressure (mbar)	1006	Water Temp	perature (°C)	21.6	Cal Procee	dure No		SBS/CP/ML/	08
Standard Used									
SI. No. Description	ID.No./	SI. No.		Certificate No.		Make/Model	Trac	eability	Valid till
1 Electronic Weighing Balance	15112	2918	Т	TVCSPL22/12/2115-01		A&D & GH-252		l Standards	09-12-2023

	Z Factor: 1.00319 Result of Calibration in μl										
Sl. No.	Nominal Value			Observed Re	adings		Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)	
1	10.0	9.96	9.95	9.98	9.96	9.97		<u> </u>		<u> </u>	
	10.0	9.98	9.96	9.97	9.98	9.95	9.97	-0.03	0.01	0.47	
2	50.0	49.86	49.85	49.87	49.86	49.85				0.47	
	50.0	49.95	49.96	49.97	49.95	49.95	49.91	-0.09	0.05		
3	100.0	99.98	99.97	99.98	99.96	99.98					
	100.0	99.95	99.96	99.94	99.95	99.96	99.96	-0.04	0.01	0.47	

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 coverage factor k=2.00.

 7. Calibration Liquid Used: Distilled or Deionized water configuring Grade3 as Sectified in ISO 3696.

Calibrated By,

(Calibration Engineer) M.ADHIBAN

Chennai

Authorised by: Quality Manager/Chief Executive)

SUNSHINE BIOMEDICAL SOLUTIONS

600 032

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