

				CALI	BRAT	TON (CERTIFICA	TE			
Certifica	te No: SBS/CL/23/09419)								Page. No:	1 of 1
Custome	er Name & Address										
						SRF No.			SRF/23/0028	82- 0044	
GOVERN	NMENT PRIMARY HEA	ALTH CENT	RE,			SRF Dat	e		29-07-2023		
PIRANM	IALAI-630502.					Date of I	Receipt		29-07-2023		
						Date of Calibration 29			29-07-2023		
						Due Date for Calibration 28-07-2024					
						Issue Da	te		31-07-2023		
Details o	tails of Unit Under Calibration								•		
Descripti	escription MICRO PIPETTE								NA		
Range	ange 100-1000 μl					Model			NA		
Resolutio	on	5 µl				Material	Material				
Serial N	ımber	MH423031				Operatin	Operating Range				
ID Numl	ber	NA				Condition of UUC			Good		
Cal. At		Mechanical Lab				Instrume	Instrument Location				
	Envir	onmental C	ondition			T		Calibrati	on Method U	Jsed	
Tempera	ture (°C)	23.6	Humidity	(%RH)	55	National	/ International Stand	ard	ISO 8655-6:2	!002	
Atmosph	neric Pressure (mbar)	1006	Water Temp	perature (°C)	21.6	Cal Proce	dure No		SBS/CP/ML/	08	
Standard	l Used										
SI. No. Description ID.No. / SI. No.				Ce	rtificate No	0.	Make/Model	Traceability			Valid till
1	Electronic Weighing Balance	1511	12918	TVCSPL22/12/21		115-01 A&D & GH-252		National Standards		09-12-2023	
									Z Factor:	1.00319	
				Resu	lt of Calibr	ation in µ					
							1	ı	ı	- 1	

Sl. No.	Nominal Value		Obs	served Readi	ngs	Mean Value	Systemati c Error	Random Error	Measurement Uncertainty (±)		
	100	99.93	99.94	99.92	99.95	99.96	99.94	-0.06	0.02	0.47	
1	100	99.95	99.93	99.96	99.97	99.93	77.74	-0.00	0.02	0.47	
_	500	499.84	499.83	499.82	499.85	499.86	499.84	-0.16	0.02	0.47	
2	500	499.81	499.82	499.84	499.86	499.85	477.04	-0.16	0.02	0.47	
	1000	999.74	999.73	999.72	999.71	999.74	999.73	-0.27	0.02	0.47	
3	1000	999.70	999.71	999.73	999.74	999.75	999.73	-0.27	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.

7. Calibration Liquid Used: Distilled or Deionized water of

Calibrated By,

(Calibration Engineer) M.RAGUL as specified in ISO 369

Authorised by:

(Quality Manager/Chief Executive)

SUNSHINE BIOMEDICAL SOLUTIONS



				CALI	BRAT	ION (CERTIFICA	TF			
Certifica	te No: SBS/CL/23/09420)					ZKIIIIOA			Page, No 1 of 1	
Custome	er Name & Address										
						SRF No.			SRF/23/002	82- 0045	
GOVER	NMENT PRIMARY HEA	ALTH CENT	TRE,			SRF Date	,		29-07-2023		
PIRANN	1ALAI-630502.					Date of I	Receipt		29-07-2023	The second secon	
						Date of C	Calibration		29-07-2023	ingenie waarden teedgesûnderingt versijnspronningsverkeids en zo in wissie te 2 selben wezi	
						Due Date for Calibration			28-07-2024		
						Issue Date 31-07-2				ateria menganan dapatan kenter selajahan selahan mengan kehitan mengan dalam beranda selahan mengan selajah se	
Details of Unit Under Calibration											
Descript	ion ————————————————————————————————————	MICRO P	IPETTE			Make			THERMO S	CIENTIFIC	
Range		10-100 μl				Model			FINNPIPET	TE F3	
Resoluti		0.2 μΙ				Material			PVC	PE de la companya de	
Serial N		RW01360				Operating Range			10-100 µl		
ID Num	ber 	NA				Condition of UUC			Good		
Cal. At		Mechanica	l Lab			Instrument Location			LAB		
	Envir	onmental C	ondition					Calibratio	on Method U	sed	
Temperature (°C) 23.6 Humidity (%RH) 55			55	National	/ International Stand	ard	ISO 8655-6:2002				
Atmospheric Pressure (mbar) 1006 Water Tempera			erature (°C)	21.6	Cal Procedure No			SBS/CP/ML/08			
Standard Used			-								
SI. No.	Description	ID.No.	/ SI. No.	Ce	rtificate No	te No. Make/Model Trace		eability	Valid till		
1 Electronic Weighing Balance 15			2918	TVCS	PL22/12/211	15-01	A&D & GH-252	Nationa	l Standards	09-12-2023	

				Resu	ılt of Calibi	ration in μ	ı				
SI. No.	Nominal Value		Observed Readings				Mean Value	Systemati c Error	Random Error	Measurement Uncertainty (±)	
	10	9.93	9.94	9.92	9.95	9.96	0.04	-0.06	0.02	0.15	
1	10	9.95	9.93	9.96	9.97	9.93	9.94	-0.06	0.02	0.47	
2	50	49.83	49.84	49.82	49.85	49.86	49,84	0.17	0.02	0.15	
2	50	49.81	49.82	49.84	49.86	49.85	49.84	-0.16	0.02	0.47	
3	100	99.74	99.73	99.72	99.76	99.75	99.73	0.27	0.02	0.45	
3	100	99.70	99.71	99.74	99.75	99.73	99.73	-0.27	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.

600 032

7. Calibration Liquid Used: Distilled or Deionized water Schule Calibrated Pro

Calibrated By, Chennai

(Calibration Engineer) M.RAGUL

(Quality Manager/Chief Executive)

Authorised by:

SUNSHINE BIOMEDICAL SOLUTIONS



				CALI	BRA1	TION (CERTIFICA	TE				
Certifica	te No: SBS/CL/23/09421									Page. No: 1 of 1		
Custome	r Name & Address											
						SRF No.			SRF/23/0028	82- 0046		
GOVERN	IMENT PRIMARY HEA	LTH CENT	RE,			SRF Dat	e		29-07-2023			
PIRANM	ALAI-630502.					Date of 1	Receipt		29-07-2023			
						Date of 0	Calibration		29-07-2023			
						Due Dat	e for Calibration		28-07-2024			
				Issue Da	te		31-07-2023					
Details o	f Unit Under Calibratio	Init Under Calibration										
Descripti	on	MICRO P	PETTE			Make	Make			MICROPET		
Range		10-100 μl				Model			NA			
Resolutio	on	1 μl				Material			PVC			
Serial Nu	ımber	NA				Operatin	ng Range		10-100 µl			
ID Numl	ber	NA				Conditio	on of UUC		Good			
Cal. At		Mechanica	l Lab			Instrume	ent Location		LAB			
									15.15			
	Envir	onmental C	ondition					Calibrati	on Method U	sed		
Tempera	emperature (°C) 23.6 Humidity (%RH) 55						/ International Stand	ard	ISO 8655-6:2	002		
Atmosph	Atmospheric Pressure (mbar) 1006 Water Temperature (°C) 21.6					Cal Proce	edure No		SBS/CP/ML/	SBS/CP/ML/08		
Standard	Standard Used					•						
SI. No.	Description	ID.No. / SI. No. Certificate N			lo.	Make/Model Trac		eability	Valid till			
1	1 Electronic Weighing Balance 15112918 TVCSPL22/12/2				15-01	A&D & GH-252	Nationa	ll Standards	09-12-2023			

Z Factor:	1.00319
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		•		Resu	ılt of Calibi	ation in μ	l			Z Factor: 1.00319
Sl. No.	Nominal Value		Obs	erved Readi	ings	(47	Mean Value	Systemati c Error	Random Error	Measurement Uncertainty (±)
1	10	9.97	9.98	9.96	9.95	9.95				
1	10	9.95	9.93	9.96	9.97	9.93	9.96	-0.04	0.02	0.47
2	50	49.95	49.96	49.97	49.96	49.95	40.0			
2	30	49.92	49.95	49.95	49.94	49.96	49.95	-0.05	0.01	0.47
3	100	99.92	99.94	99.93	99.96	99.97	00.05			
	100	99.95	99.96	99.97	99.95	99.96	99.95	-0.05	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,

(Calibration Engineer) M.RAGUL Chennai Of 600 032

Authorised by:

Odality Manager/Chief Executive)
D.VETRI SELVI

SUNSHINE RIOMEDICAL SOLUTIONS



				CALIBI	RATI	ON C	CERTIF	CATE		
CERT	IFICATE NO	:	SBS/CL	/23/09416			ME	CHANICAL	Pag	ge No:1 of 1
Issue [Date		-			31-07-20)23			
SRF N	o & Date					SRF/23/	00282-0041 &	28-07-2023		
Receip	t Date					28-07-20	123			
Calibra	tion Date					28-67-20	123			
Calibra	tion Due					27-07-20	24			
Custor	mer Name &	Addres	ss							
GOVE	RNMENT P	RIMA	RY HEALT	H CENTRE,						
PIRAN	MALAI-630	502.								
				Details	of Devi	ce Unde	r Calibration	ו (סניס)		
Descri	ption	:	CENTR	IFUGE		Make &	Model	:	REMI & R-8C	
Opera	ting Range	:	5250	RP M		Sr. No		:	ZHBN-07182	
Least	Count	:	10	RPM		Identific	ation No	:	NA	
DUC (Condition	:	Satisfac	tory		Location	1	:	LAB	
			Envi	ronmental Con	ditions &	& Standa	rd Operation	g Procedure [Details	
Enviro	nmental Det	ails		Temperature	e: 25.6 °C	;	Relative Hu	midity	56% Rh	
Calibra	ation Proced	ure No)	SBS/CP/ML	/04	_	Calibration of	done at	ONSITE	
					Reference	ce Stand	lards Details	;	-	
S.No	Description				Make/ S	SI No:		Certificate No		Validity
1	Digital Tach	omete	er		LINE SE	EIKI / 175	5-0034V	JRPM-CCTR-	A&S-2023-0013	09-06-2024
CALIE	PATION PE	CIII T	2							-

S.No	DEVICE UNDER CALIBRATION	STANDARD INSTRUMENTS	DEVIATION	EXPANDED UNCERTAINTY (±)
	RPM	RPM	RPM	%
1	1000	999.4	0.6	4.2
2	2000	1999.4	0.3	4.2
3	3500	3499.1	0.9	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 **Authorised Signatory** (Calibration Engineer) Cuality Manager Chief Executive ·K.SATHYAMOORTHY (D.VETR! SELVI)



				CA	LIBRA	ATI	ON CE	RTI	FIC	<u>ATE</u>		
CER	TIFICATE N	O: SBS	S/CL/23/	09417			М	EDICA	L DE	/ICES	F	Page No:1 of 1
Issue	Date					29-07	7-2023					
SRF	No & Date					SRF/	23/00278-0042	2 & 28-	07-202	3		
Rece	ipt Date						7-2023					
Calib	ration Date					28-07	7-2023					
Calib	ration Due						7-2024					
Custo	omer Name 8	Addre:	<u>ss</u>									
GOV	ERNMENT I	PRIMA	RY HEA	LTH CENTRE								
	NMALAI-63				•							
					Details o	f Devi	ce Under Cali	bratior) (DUC			
Descr	ription	:		RICAL SAFET ZER(MICROS	Y		& Model			LABOMED & LX200		
Range	е	:	MULTI		,	Sr. N			:	190211479		
Resol	ution	:	MULTI				fication No			NA		
DUC	Condition	:	SATISE	ACTORY		Locat				LAB		
				Envi	ronmental Co		ons & Calibrat	ion Pr	ocedur			
Enviro	onmental Deta	ails		Temperature:			Relative Humi			53% RH		
Calibr	ation Procedu	ure No		SBS/CP/MD/2	9		Calibration do	<u> </u>		ONSITE		
						feren	ce Standards			ONOTE		
S.No	Description				Make/ SI No:				cate No)	-	Validity
1	Electrical Sa	fety Ana	llyser		Rigel Medical	& 44L			2-23/74			10-08-2023

ELECTRICAL SAFETY

RESU	<u>LTS</u>	116 5	
S.no	SPECIFICATION	MEASURED VALUES	EXPANDED UNCERTAINTY (±)
1	Insulation Resistance	Measured values in $M\Omega$	Uncertainty in % (±)
	>20ΜΩ	86	13.92
2	Earth Leakage	Measured values in μA	Uncertainty in % (±)
	<5000µAfor B,BF,CF	131	7.6
3	Patient Leakage	Measured values in μA	Uncertainty in % (±)
	<100μAfor B,BF,<10μAfor CF	41	11.6
4	Enclosure Leakage	Measured values in μA	Uncertainty in % (±)
	<500μAfor B,BF,CF	226	6.8

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

K.S+Y
(Calibration Engineer)
K.SATHYAMOORTHY

Calibrated By



Technical Manager
(C.SHANMUGARAJ)

Chief	Evecut	i

Authorised Signatory



			<u>C</u>	ALIBRA	<u>ATION CE</u>	<u>RTIFIC</u>	<u>ATE</u>		
CER	TIFICATE NO: SBS	/CL/23/	/09418		MEDICAL DEVICES Page No:1 of 1				
Issue	Date				31-07-2023				
SRF I	No & Date				SRF/23/00278-004	3 & 28-07-202	3		
Recei	pt Date				28-07-2023	0 4 20 0, 202			
Calibr	ation Date				28-07-2023				
Calibr	ation Due				27-07-2024				
Custo	omer Name & Addres	SS			27 07 2024				
GOV	ERNMENT PRIMAR	RY HEA	LTH CENTRE	Ξ.					
	NMALAI-630502.			-'					
				Details o	f Device Under Cal	ibration (DUC	()		
Descr	iption :	SEMI A	AUTO ANALYZ	ER.	Make & Model		PORONIK & DDIETES	T TOUC	_
Range	;	MULTI			Sr. No	:	ROBONIK & PRIETEST TOUCH		
Resol	ution :	MULTI			Identification No	÷	ATD0470321RBK NA		
DUC	Condition :		FACTORY			•			
		0/1110		ironmental C	Location & Calibra	dian Drass de	LAB		
Enviro	onmental Details		Temperature:						
	ration Procedure No		SBS/CP/MD/2		Relative Hun Calibration d		54% RH		
-			OBS/CI /IVID/2				ONSITE		
S No	Description				eference Standards				,
00	2 cocription			Make/ SI No:		Certificate N	0		Validity
1 Electrical Safety Analyser			Rigel Medica	Rigel Medical & 44L-1059		TSC/22-23/7400-3		10-08-2023	
					ELECTRICAL SAF	ETY			
RESI	JLTS								
S.no	SPECIFICATION			MEASURED VALUES			EXPANDED UNCERTAINTY (±)		
1	Insulation Resistance			Measured values in MΩ			Uncertainty in % (±)		
	>20 M Ω		88		13.92				
2	Earth Leakage		Measured values in μA		Uncertainty in % (±)				
	<5000μAfor B,BF,CF		120		7.8				
3	Enclosure Leakage		Measured values in μA		Uncertainty in % (±)				
	<500µAfor B,BF,CF		247		6.7				
REMA	RKS								
2.The	Calibration certificate user should determine recalibration interval	e the su	itability of the i	nstrument for i	its intended use.	proval of the la	boratory.		
	results stated in this								
6 Ea	indicated uncertaintie	s are ex	cpanoed uncen	ainty estimate	d for a confidence le	vel of approxin	nately 95% for a covera	ge factor	k=2.00 .
o. Equ	ipment used for Calib	oration w	ere calibrated	& traceable to	National & Internation	onal Standards			
	Calibrated By						Authorised Signa	tory	
	K.Sty		SIOM!	EDICAL		حادير			
	(Calibration Enginee		Z Ch	ennai \2	_ <	Technical Ma		Chief Exe	cutive
	K.SATHYAMOORTH	ΙΥ	1 600	0.032		(C.SHANMU	JGARAJ)		