

Certificate No: SBS/CL/22-23	04473	-						Page. No: 1 of 1
	RIMARY HEALTH CE	NTRE,		SRF No.	1 19 4 5	1	SBS/SRF/22-	23/0086-011
MURUKKANGUD	I-621133.			SRF Date			03-06-2022	
				Date of Receipt			06-06-2022	,
				Date of Calibration			06-06-2022	
				Due Date for Calibration			05-06-2023	
				Issue Date		*	06-06-2022	
Petails of Unit Under Calibr	tion			—Le				
Description	Micro Pipette			Make	i i		MICROLUX	
Range 100-1000μl				Model	Model			
esolution	10 μl	— 141 ¹ »		Material			PVC	
erial Number	NA			Operating	Range		100-1000µl	
O Number		4	24 1	Condition	of UUC		Good	
al. At	Mechanical Lab	V.A.		Instrument	t Location		LAB	
En	rironmental Condition	(35A 167)	antition.	6049	Calibrat	ion Metho	d Heed	X
		Big (LF)						
emperature (°C)	23.9 Humidi	ty (%RH)	55 /	National / I	International Standa	rd	ISO 8655-6:20	002
tmospheric Pressure (mbar)	1006 Water Te	emperature (°C)	21.6	Cal Proced	ure No		SBS/CP/ML/0	08
tandard Used			/ / /					
GI. No. Description	ID.No. / SI. No.	C C	ertificate N	o	Make/Model	Trac	eability	Valid till
1 Electronic Semi Mic Balance	15112918	TVCS	PL21/12/15	87-01	A&D & GH-252	Nationa	l Standards	10-12-2022
	The state of the s					De die	Z Factor:	1.00319

				Resu	ılt of Calibı	ration in µl	l	-4	,	
Sl. No.	Nominal Value	,	Obs	erved Readi	ngs		Mean Value	Systemati c Error	Random Error	Measurement Uncertainty (±)
1	100	99.65	99.67	99.64	99.65	99.63	99.72	-0.28	0.09	0.47
1	100	99.63	99.83	99.82	99.83	99.82	99.72	-0.28	0.09	
2	500	499.75	499.76	499.74	499.76	499.77	499.75	-0,25	0.01	0.47
2	500	499.75	499.74	499.75	499.76	499.76	499.73	-0.25	0.01	0.47
3	1000	999.56	999.54	999.53	999.56	999.53	999.53	-0.47	0.02	0.47
3	1000	999.52	999.51	999.54	999.53	999.52	999.33	-0.47	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.
- ${\bf 4.} The \ results \ stated \ in \ this \ certificate \ relate \ only \ to \ the \ item \ calibrated.$
- 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 Detailer conforming Grade3 as specified in ISO 3696.

Checked & Issued by:

(Calibration Engineer) M.BALAJI Chennai 600 032 Authorised by:

(Quality Manager/Chief Executive)
D. VETRI SELVI



Certificate No: SBS/CL/2	-23/04475								Page. No: 1 of 1
GOVERNMEN	r PRIMARY HI	ALTH CENT	RE,	v pari	SRF No.			SBS/SRF/22-	23/0086-013
MURUKKANG	UDI-621133.				SRF Date	2	-	03-06-2022	
					Date of I	Receipt		06-06-2022	
					Date of Calibration			06-06-2022	
					Due Date for Calibration			05-06-2023	
					Issue Da	te		06-06-2022	
Details of Unit Under Ca	ibration						-		
Description Micro Pipette					Make			THERMO SCIENTIFIC	
Range	100-1000µl				Model			FINNPIPETTE F3	
Resolution	1 μl				Material			PVC	
Serial Number	QW1023	0		-	Operatin	g Range		100-1000μ1	
D Number			0		Condition	n of UUC		Good	
Cal. At	Mechani	ical Lab	A		Instrume	nt Location		LAB	-2
	Environmental	Condition		19		Calibrat	ion Meth	od Used	
Temperature (°C)	23.9	Humidity	(%RH)	55	National	/International Standa	ird	ISO 8655-6:20	002
Atmospheric Pressure (m	par) 1006	Water Temp	erature (°C)	21.6	Cal Proce	dure No		SBS/CP/ML/0	08
Standard Used					Walle Sa				100
SI. No. Description ID.No. / SI. No. Certificat				ertificate N	0.	Make/Model	Trac	ceability	Valid till
1 Electronic Semi	Electronic Semi Micro					Nations	ol Standards	10-12-2022	

SI. No.	Description	ID.No. / SI. No.	Certificate No.	Make/Model	Traceability	Valid till
1	Electronic Semi Micro	15112918	TVCSPL21/12/1587-01	AAD A CILOTO	National Charles	10 12 2022
1	Balance	13112910	1 V C SP L 21/12/1387-01	A&D & GH-252	National Standards	10-12-2022

Z Factor: 1.00319

		,		Resu	ılt of Calibi	ration in µ	l ,	17	. 12731	
Sl. No.	Nominal Value		Obs	erved Readi	ngs		Mean Value	Systemati c Error	Random Error	Measurement Uncertainty (±)
1	100	99.85	99.85	99.85	99.85	99.92	00.00	0.10		5
1	100	99.89	99.89	99.89	99.89	99.90	99.88	-0.12	0.03	0.47
2	500	499.89	499.88	499.92	499.92	499.92	400.00	0.10		
		499.87	499.86	499.85	499.86	499.87	499.88	-0.12	0.03	0.47
3	1000	999.80	999.86	999.80	999.85	999.79	000.04	011		
3	1000	999.90	999.90	999.90	999.90	999.89	999,86	-0.14	0.05	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 Delonized water conforming Grade3 as specified in ISO 3696.

Checked & Issued by:

(Calibration Engineer)

Authorised by:



C 410 + N SPECT OF SELECT				CERTIFICATE	Page. No: 1 of 1
Certificate No: SBS/CL/22-23/0		A VIEW CENTER		CDTAY	SBS/SRF/22-23/0086-014
GOVERNMENT PR	IMAKY H	EALTH CENTRE,		SRF No.	3B3/3KF/22-23/0000-014
MURUKKANGUDI	-621133.			SRF Date	03-06-2022
				Date of Receipt	06-06-2022
				Date of Calibration	06-06-2022
				Due Date for Calibration	05-06-2023
				Issue Date	06-06-2022
Details of Unit Under Calibrat	ion		٠,		
Description	Micro P	ipette		Make	NA
Range	100µl F	IXED		Model	NA
Resolution	-			Material	PVC
Serial Number	NA			Operating Range	100μl FIXED
ID Number			-	Condition of UUC	Good
Cal. At	Mechani	cal Lab		Instrument Location	LAB
	Topic garage		A You		
Envi	ronmental	Condition		Calibration Mo	ethod Used
emperature (°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

SI. No.	Description	ID.No. / SI. No.	Certificate No.	Make/Model	Traceability	Valid till
1	Electronic Semi Micro	15112918	TVCSPL21/12/1587-01	4 %-D %- CII 252	National Cton doub	10 12 2022
1	Balance	13112916	1 V CSF L21/12/1367-01	A&D & GH-252	National Standards	10-12-2022

Z Factor: 1.00319

, ,		. ,		Resu	lt of Calibi	ation in µl		e 16	13091	2 1 actor. 1.0051
Sl. No.	Nominal Value	:	Obs	erved Readi	ngs		Mean Value	Systemati c Error	Random Error	Measurement Uncertainty (±)
1	100	99.85	99.85	99.85	99.85	99.92	00.00	0.10	0.00	5
1	100	99.89	99.89	99.89	99.89	99.90	99.88	-0.12	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 Del to to water conforming Grade3 as specified in ISO 3696.

Chennaj

Checked & Issued by:

(Calibration Engineer) M.BALAJI

Authorised by:

lanager/Chief Executive)



Certificate No: SBS/CL/22-23/04	1477				Page. No: 1 of 1
GOVERNMENT PRI	MARY HEAL	TH CENTRE,		SRF No.	SBS/SRF/22-23/0086-015
MURUKKANGUDI-6	521133.			SRF Date	03-06-2022
				Date of Receipt	06-06-2022
				Date of Calibration	06-06-2022
				Due Date for Calibration	05-06-2023
				Issue Date	06-06-2022
Details of Unit Under Calibrati	ion			Jen v	
Description	Micro Pipel	te		Make	THERMO SCIENTIFIC
Range	10-100µl			Model	FINNPIPETTE F3
Resolution	1 μl			Material	PVC
Serial Number	PW16602			Operating Range	10-100µl
ID Number		(2)		Condition of UUC	Good
Cal. At	Mechanical	Lab		Instrument Location	LAB
Envi	ronmental Co	ondition		Calibration M	ethod Used
Temperature (°C)	23.9	Humidity (%RH)	55	National / International Standard	
Atmospheric Pressure (mbar)	1006	Water Temporature (90)			ISO 8655-6:2002
Standard Used	1000	Water Temperature (°C)	21.6	Cal Procedure No	SBS/CP/ML/08
SI. No. Description	IDA	SI No.	<u>\</u>	Charles and the second	-

SI. No.	Description	ID.No. / SI. No.	Certificate No.				
1	Electronic Semi Micro	Versilence	Certificate No.	Make/Model	Traceability	Valid till	
1	Balance	15112918	TVCSPL21/12/1587-01	A&D & GH-252	National Standards	10.10.0000	ĺ
		and the state of t	Control of the sealer	The state of the s	Translar Standards	10-12-2022	

				Resu	lt of Calibr	ation in µl		_		Z Factor: 1.00319
SL No.	Nominal Value		Obs	erved Readi	ngs		Mean Value	Systemati c Error	Random Error	Measurement
1	10	9.89	9.88	9.87	9.86	9.84		+	LIIOI	Uncertainty (±)
		9.86	9.87	9.87	9.86	9.86	9.87	-0.13	0.01	0.47
2	50	49.92	49.94	49.96	49.93	49.92		-	4	
		49.91	49.92	49.92	49.91	49.91	49.92	-0.08	0.02	0.47
3	100	99.89	99.88	99.86	99.87	99.86		-	,	0.17
		99.88	99.86	99.87	99.86	99.86	99.87	-0,13	0.01	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% 7. Calibration Liquid Used: Distilled of Rendrice Wash (Calibration Engineer)

Checked & Issued by:

M.BALAJI

er conforming Grade3 as specified in ISO 3696.

Authorised by:

(Quality Manager/Chief Executive) D.VETRI SELVI



Certificate No: SBS/CL/22-23/	04474				Page. No : 1 of
GOVERNMENT PR		TH CENTRE,	*	SRF No.	SBS/SRF/22-23/0086-012
MURUKKANGUDI	-621133.			SRF Date	03-06-2022
<i>.</i>				Date of Receipt	06-06-2022
				Date of Calibration	06-06-2022
				Due Date for Calibration	05-06-2023
				Date of Issue	06-06-2022
Details of Unit Under Calibrat	tion				2
Description	Micro Pipet	te		Make	MICROLUX
Range	5-50µl			Model	NA
Resolution	1 μl			Material	PVC
Serial Number	NA			Operating Range	5-50µl
D Number				Condition of UUC	Good
Cal. At	Mechanical	Lab		Instrument Location	LAB
Envi	ironmental Co	ndition		Calibration Me	ethod Used
Temperature (°C)	23.8 F	lumidity (%RH)	54	National / International Standard	ISO 8655-6:2002
Atmospheric Pressure (mbar)	1006 V	Vater Temperature (°C)	21.6	Cal Procedure No	SBS/CP/ML/08
Standard Used	-		4		

SI. No.	Description	ID.No. / SI. No.	Certificate No.	Make/Model	Traceability	Valid till
1	Electronic Semi Micro Balance	15112918	TVCSPL21/12/1587-01	A&D & GH-252	National Standards	10-12-2022

	Result of Calibration in μl										
SI. No.	Nominal Value	-	Obs	served Read		Mean Value	Systemati c Error	Random Error	Measurement Uncertainty (±)		
1	10	9.89	9.88	9.87	9.88	9.86	9.86	-0.14	0.02	0.47	
1		9.86	9.84	9.86	9.84	9.84					
2	50	49.86	49.84	49.88	49.84	49.86	49.84	-0.16	0.02	0.47	
		49.84	49.82	49.83	49.82	49.82					
3	100	99.82	99.84	99.86	99.84	99.86	99.86	-0.14	0,02	0.47	
		99.88	99.86	99.87	99.86	99.86					

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.

Checked & Issued by:

(Calibration Engineer) M.BALAJI

7. Calibration Liquid Used: Distilled of Man Liquid water conforming Grade3 as specified in ISO 3696. ecked & Issued by: Chennai 600 032

Authorised by:

Manager/Chief Executive)

SUNSHINE BIOMEDICAL SOLUTIONS

No:68, First floor, Poomagal Main Road, Ekkattuthangal, Chennai - 600 032, Tel: 044 - 2225 2087.

