

CALIBRATION CERTIFICATE

Certificate No: SBS/CL/23/11762

Page. No: 1 of 1

Customer Name & Address

GOVERNMENT PRIMARY HEALTH CENTRE,
KARUNGULAM-628615, THOOTHUKUDI DISTRICT.

SRF No.	SRF/23/00408-0001
SRF Date	25-09-2023
Date of Receipt	25-09-2023
Date of Calibration	25-09-2023
Due Date for Calibration	24-09-2024
Issue Date	26-09-2023

Details of Unit Under Calibration

Description	Micro Pipette	Make	THERMO SCIENTIFIC
Range	100-1000 μ l	Model	FINNPIPETTE F3
Resolution	1 μ l	Material	PVC
Serial Number	QW14030	Operating Range	100-1000 μ l
ID Number	NA	Condition of UUC	Good
Cal. At	Mechanical Lab	Instrument Location	LABORATORY

Environmental Condition

Calibration Method Used

Temperature (°C)	23.8	Humidity (%RH)	54	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


Sl. 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

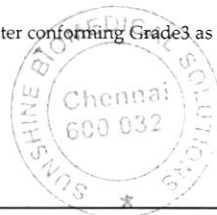
Z Factor: 1.00319

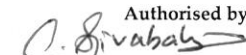
Result of Calibration in μ l											
Sl. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (\pm)	
1	100	99.91	99.89	99.90	99.88	99.87	99.89	-0.11	0.01	0.47	
		99.89	99.88	99.91	99.90	99.89					
2	500	499.84	499.83	499.86	499.85	499.86	499.85	-0.15	0.01	0.47	
		499.85	499.87	499.86	499.87	499.84					
3	1000	999.92	999.94	999.93	999.95	999.95	999.95	-0.05	0.02	0.47	
		999.96	999.95	999.97	999.94	999.98					

Remarks

- This Calibration certificate shall not be reproduced except in full, without written approval of the laboratory.
- The user should determine the suitability of the instrument for its intended use.
- The recalibration interval should be determined on the user requirement.
- The results stated in this certificate relate only to the item calibrated.
- Equipment used for Calibration were calibrated & traceable to National & International Standards
- The indicated uncertainties are expanded uncertainty estimated for a confidence level of approximately 95% for a coverage factor k=2.00.
- Calibration Liquid Used: Distilled or Deionized water conforming Grade3 as specified in ISO 3696.

Calibrated By: 
(Calibration Engineer)
C.SIVABALAN



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.

CALIBRATION CERTIFICATE

Certificate No: SBS/CL/23/11763 Page. No: 1 of 1

Customer Name & Address		SRF No.	SRF/23/00408-0002
GOVERNMENT PRIMARY HEALTH CENTRE, KARUNGULAM-628615, THOOTHUKUDI DISTRICT.		SRF Date	25-09-2023
		Date of Receipt	25-09-2023
		Date of Calibration	25-09-2023
		Due Date for Calibration	24-09-2024
		Issue Date	26-09-2023

Details of Unit Under Calibration			
Description	Micro Pipette	Make	THERMO SCIENTIFIC
Range	5-50µl	Model	FINNPIPETTE F3
Resolution	0.01µl	Material	PVC
Serial Number	PW01875	Operating Range	10-50µl
ID Number	NA	Condition of UUC	Good
Cal. At	Mechanical Lab	Instrument Location	LABORATORY

Environmental Condition				Calibration Method Used	
Temperature (°C)	23.7	Humidity (%RH)	52	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						
Sl. No.	Description	ID.No. / SI. No.	Certificate No.	Make/Model	Traceability	Valid till
1	Electronic Weighing Balance	15112918	TVCSP22/12/2115-01	A&D & GH-252	National Standards	09-12-2023

Z Factor: 1.00319

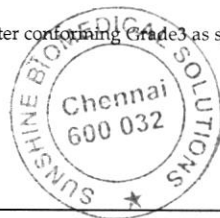
Result of Calibration in µl											
Sl. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)	
1	10.00	9.92	9.89	9.91	9.88	9.90	9.89	-0.11	0.02	0.47	
		9.88	9.86	9.85	9.89	9.87					
2	30.00	29.94	29.91	29.93	29.89	29.90	29.90	-0.10	0.02	0.47	
		29.89	29.87	29.91	29.88	29.92					
3	50.00	49.95	49.93	49.91	49.88	49.92	49.91	-0.09	0.03	0.47	
		49.89	49.91	49.88	49.92	49.87					

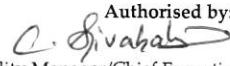
Remarks

- This Calibration certificate shall not be reproduced except in full, without written approval of the laboratory.
- The user should determine the suitability of the instrument for its intended use.
- The recalibration interval should be determined on the user requirement.
- The results stated in this certificate relate only to the item calibrated.
- Equipment used for Calibration were calibrated & traceable to National & International Standards
- The indicated uncertainties are expanded uncertainty estimated for a confidence level of approximately 95% for a coverage factor k=2.00 .
- Calibration Liquid Used: Distilled or Deionized water conforming Grade 3 as specified in ISO 3696.

Calibrated By,

 (Calibration Engineer)
 C.SIVABALAN



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.

CALIBRATION CERTIFICATE

Certificate No: SBS/CL/23/11764

Page: No: 1 of 1

Customer Name & Address

GOVERNMENT PRIMARY HEALTH CENTRE,
KARUNGULAM-628615, THOOTHUKUDI DISTRICT.

SRF No.	SRF/23/00408-0003
SRF Date	25-09-2023
Date of Receipt	25-09-2023
Date of Calibration	25-09-2023
Due Date for Calibration	24-09-2024
Issue Date	26-09-2023

Details of Unit Under Calibration

Description	Micro Pipette	Make	THERMO SCIENTIFIC
Range	10-100µl	Model	FINNPIPETTE F3
Resolution	0.2µl	Material	PVC
Serial Number	PW14213	Operating Range	10-100µl
ID Number	NA	Condition of UUC	Good
Cal. At	Mechanical Lab	Instrument Location	LABORATORY

Environmental Condition

Calibration Method 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

Sl. No.	Description	ID.No. / SI. No.	Certificate No.	Make/Model	Traceability	Valid till
1	Electronic Weighing Balance	15112918	TVCSP22/12/2115-01	A&D & GH-252	National Standards	09-12-2023

Z Factor: 1.00319

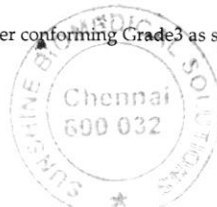
Result of Calibration in µl											
Sl. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)	
1	10.0	9.89	9.86	9.85	9.87	9.84	9.87	-0.13	0.03	0.47	
		9.91	9.92	9.89	9.83	9.88					
2	50.0	49.92	49.87	49.89	49.88	49.91	49.88	-0.12	0.02	0.47	
		49.88	49.89	49.87	49.85	49.86					
3	100.0	99.91	99.95	99.93	99.92	99.96	99.93	-0.08	0.02	0.47	
		99.93	99.89	99.91	99.93	99.92					

Remarks

- This Calibration certificate shall not be reproduced except in full, without written approval of the laboratory.
- The user should determine the suitability of the instrument for its intended use.
- The recalibration interval should be determined on the user requirement.
- The results stated in this certificate relate only to the item calibrated.
- Equipment used for Calibration were calibrated & traceable to National & International Standards
- The indicated uncertainties are expanded uncertainty estimated for a confidence level of approximately 95% for a coverage factor k=2.00.
- Calibration Liquid Used: Distilled or Deionized water conforming Grade 3 as specified in ISO 3696.

Calibrated By,

C. Sivabalan
(Calibration Engineer)
C.SIVABALAN



Authorised by:

C. Sivabalan
(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.