

CALIBRATION CERTIFICATE

Certificate No: SBS/CL/23/04119

Page No 1 of 1

Customer Name & Address

GOVERNMENT PRIMARY HEALTH CENTRE,
SUTHAMALLI PALUR (BLOCK), SUTHAMALLI-621804,
ARYALUR DISTRICT

SRF No.	SRF/23/00151-0004
SRF Date	07-04-2023
Date of Receipt	06-04-2023
Date of Calibration	07-04-2023
Due Date for Calibration	06-04-2024
Issue Date	07-04-2023

Details of Unit Under Calibration

Description	Micro Pipette	Make	MICROLUX
Range	5-50 μ l	Model	
Resolution	1 μ l	Material	PVC
Serial Number		Operating Range	
ID Number		Condition of UUC	Good
Cal. At	Mechanical Lab	Instrument Location	LABORATORY

Environmental Condition

Calibration Method Used

Temperature (°C)	23.2	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 Semi Micro Balance	15112918	TVCSP122/12/2115-01	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	10	9.92	9.93	9.96	9.98	9.97	9.95	-0.05	0.02	0.47
		9.95	9.96	9.92	9.96	9.99				
2	30	29.83	29.85	29.86	29.85	29.82	29.83	-0.17	0.02	0.47
		29.81	29.82	29.84	29.83	29.82				
3	50	49.72	49.74	49.76	49.77	49.78	49.75	-0.25	0.02	0.47
		49.76	49.71	49.73	49.74	49.75				

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)
R.YAZINIYAN



Authorised by:


(Quality Manager/Chief Executive)
D.VETRI SELVI


மருத்துவ அலுவலர்
நிக் ஆரம்ப சுகாதார நிலையம்
கத்தமல்லி - 621 804,
அரியலூர் மாவட்டம்

CALIBRATION CERTIFICATE

Certificate No: SBS/CL/23/04119

Customer Name & Address

GOVERNMENT PRIMARY HEALTH CENTRE,
SUTHAMALLI PALUR(BLOCK),SUTHAMALLI-621804,
ARIYALUR DISTRICT

SRF No.	SRF-23/00151-0004
SRF Date	07-04-2023
Date of Receipt	06-04-2023
Date of Calibration	07-04-2023
Due Date for Calibration	06-04-2024
Issue Date	07-04-2023

Details of Unit Under Calibration

Description	Micro Pipette	Make	MICROUX
Range	5-50 μ l	Model	
Resolution	1 μ l	Material	PVC
Serial Number		Operating Range	
ID Number		Condition of UUC	Good
Cal. At	Mechanical Lab	Instrument Location	LABORATORY

Environmental Condition

Calibration Method Used

Temperature (°C)	23.2	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. / Sl. No.	Certificate No.	Make/Model	Traceability	Valid till
1	Electronic Semi Micro 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 (t)
1	10	9.92	9.93	9.96	9.98	9.97	9.96	-0.05	0.02	0.47
		9.95	9.96	9.92	9.96	9.99				
2	30	29.83	29.85	29.86	29.85	29.82	29.83	-0.17	0.02	0.47
		29.81	29.82	29.84	29.83	29.82				
3	50	49.72	49.74	49.76	49.77	49.78	49.75	-0.25	0.02	0.47
		49.76	49.71	49.73	49.74	49.75				

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- The indicated uncertainties are expanded uncertainty estimated for a confidence level of approximately 95% for coverage factor k=2.00
- Calibration Liquid Used: Distilled or Deionized water conforming Grade3 as specified in ISO 3696.

(Signature)
 மருத்துவ அலுவலர்
 அரசு ஆரம்ப சுகாதார நிலையம்
 ச. நத்தமல்லி - 621 804,
 அரியலூர் மாவட்டம்

Authorized by:

Calibrated By:



CALIBRATION CERTIFICATE

Certificate No: SBS/CL/23/04117

Customer Name & Address

 GOVERNMENT PRIMARY HEALTH CENTRE,
 SUTHAMALLI, T.PALUR (BLOCK), SUTHAMALLI-621804,
 SRIYALUR DISTRICT.

SRF No.	SRF/23/00151-0002
SRF Date	07-04-2023
Date of Receipt	06-04-2023
Date of Calibration	07-04-2023
Due Date for Calibration	06-04-2024
Issue Date	07-04-2023

Details of Unit Under Calibration

Description	Micro Pipette	Make	THERMO SCIENTIFIC
Range	100-1000µl	Model	FINNPIPETTE F3
Resolution	1µl	Material	PVC
Serial Number	RW02875	Operating Range	
ID Number		Condition of UUC	Good
Cal. At	Mechanical Lab	Instrument Location	LABORATORY

Environmental Condition
Calibration Method Used

Temperature (°C)	23.2	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

SI. No.	Description	ID.No. / SI. No.	Certificate No.	Make/Model	Traceability	Valid till
1	Electronic Semi Micro Balance	15112918	TVCSP/22/12/2115-01	A&D & GH-252	National Standards	09-12-2023

Z Factor: 1.00319
Result of Calibration in µl

SI. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)
1	100	99.92	99.94	99.96	99.92	9.96	90.95	-9.05	28.46	0.47
		99.95	99.97	99.98	99.96	99.93				
2	500	499.83	499.81	499.86	499.88	499.86	499.83	-0.17	0.04	0.47
		499.78	499.76	499.82	499.84	499.81				
3	1000	999.72	999.74	999.70	999.74	999.72	999.72	-0.28	0.02	0.47
		999.70	999.71	999.74	999.71	999.75				

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

Calibrated By,


 (Calibration Engineer)
 R.YAZINIYAN


Authorised by:


 (Quality Manager/Chief Executive)
 D.VETRI SELVI

CALIBRATION CERTIFICATE

Certificate No: SBS/CL/23/04118

Page No 1 of 1

Customer Name & Address

GOVERNMENT PRIMARY HEALTH CENTRE,
SUTHAMALLI, PAI UR (BLOCK), SUTHAMALLI-621804,
ARIYALUR DISTRICT.

SRF No.	SRF/23/00151-0003
SRF Date	07-04-2023
Date of Receipt	06-04-2023
Date of Calibration	07-04-2023
Due Date for Calibration	06-04-2024
Issue Date	07-04-2023

Details of Unit Under Calibration

Description	Micro Pipette	Make	MICROLUX
Range	100-1000µl	Model	
Resolution	10µl	Material	PVC
Serial Number		Operating Range	
ID Number		Condition of UUC	Good
Cal. At	Mechanical Lab	Instrument Location	LABORATORY

Environmental Condition

Calibration Method Used

Temperature (°C)	23.2	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. / Sl. No.	Certificate No.	Make/Model	Traceability	Valid till
1	Electronic Semi Micro 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	100	99.92	99.94	99.96	99.95	99.94	99.95	-0.05	0.02	0.47
		99.95	99.97	99.94	99.98	99.96				
2	500	499.84	499.86	499.88	499.87	499.85	499.86	-0.14	0.02	0.47
		499.86	499.88	499.85	499.84	499.89				
3	1000	999.75	999.77	999.76	999.75	999.74	999.76	-0.24	0.02	0.47
		999.74	999.76	999.75	999.78	999.79				

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Calibrated By,

Yoya
(Calibration Engineer)
RYAZINIYAN

Authorised by:

(Quality Manager/Chief Executive)
D.VETRI SELVI

