

Z Factor. 1.00319

Result of Calibration in g/l											
Sl. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (\pm)	
1	10	99.72	9.74	99.76	99.77	99.78	99.76	-0.24	0.02	0.47	
		99.76	99.77	99.76	99.77	99.78					
2	50	498.76	498.78	498.77	498.76	498.77	498.77	-1.23	0.01	0.47	
		498.77	498.76	498.76	498.77	498.76					
3	100	999.82	999.84	999.86	999.87	999.86	999.86	-0.14	0.02	0.47	
		999.87	999.87	999.86	999.87	999.87					

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 conforming Grade3 as specified in ISO 3696.

Calibrated By



(Calibration bio medical Engineer)

N.MUTHAZHAGAN





MUTHU SURGICALS

101ANNAI COMPLEX, NEW BUS
STSN, PERAMBALUR -621212
GST NO : 33DDEPM1487D1ZQ
UDYAM REG NO : TN-16-000072
PHONE NO : 8056356534

CALIBRATION CERTIFICATE

Page. NO : 11 Of 2

Certificate No: MS99\MPT072023

Customer Name & Address

THE MEDICAL OFFICER,
GOVERNMENT PRIMARY HEALTH CENTRE,
VETTIYARVETTU,
621803,

Date of Receipt	21-08-2023
Date of Calibration	21-08-2023
Due Date for Calibration	22-08-2024

Details Of Unit Under Calibration

Description	Micro Pipette	Make	THERMO FISHER SCIENTIFIC		
Range	10-100GL	Model	FINNPIPETTE F3		
Resolution		Material	PVC		
Serial Number	RW-01485	Operating Range			
V		Condition of UUC			
Cal. At	Mechanical Lab	Instrument Location			
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 (°0)	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	TVCSP21/12/1587-01	& GH-252	National Standards	02-01-2024

Z Factor. 1.00319

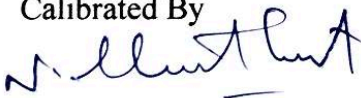
Result of Calibration in g/l

Sl. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (\pm)
1	10	99.72	9.74	99.76	99.77	99.78	99.76	-0.24	0.02	0.47
		99.76	99.77	99.76	99.77	99.78				
2	100	498.76	498.78	498.77	498.76	498.77	498.77	-1.23	0.01	0.47
		498.77	498.76	498.76	498.77	498.76				
3	1000	999.82	999.84	999.86	999.87	999.86	999.86	-0.14	0.02	0.47
		999.87	999.87	999.86	999.87	999.87				

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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 Grade 3 as specified in ISO 3696.

Calibrated By



(Calibration bio medical Engineer)

N.MUTHAZHAGAN





MUTHU SURGICALS

101ANNAI COMPLEX, NEW BUS
STSND, PERAMBALUR -621212
GST NO : 33DDEPM1487D1ZQ
UDYAM REG NO : TN-16-000072
PHONE NO : 8056356534

CALIBRATION CERTIFICATE

Page. NO : 11 Of 2

Certificate No: MS120\MPT072023

Customer Name & Address

THE MEDICAL OFFICER,
VETTIYARVETTU PHC,
621803,

Date of Receipt	28-08-2023
Date of Calibration	28-08-2023
Due Date for Calibration	29-08-2024

Details Of Unit Under Calibration

Description	Micro Pipette	Make	THERMO FISHER SCIENTIFIC
Range	100-1000GL	Model	FINNPIPETTE F3
Resolution		Material	PVC
Serial Number	RW-02934	Operating Range	
V		Condition of UUC	
Cal. At	Mechanical Lab	Instrument Location	

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. / SL No.	Certificate No.	Make/Model	Traceability	Valid till
1	Electronic Semi Micro Balance	15112918	TVCSP21/12/1587-01	& GH-252	National Standards	02-01-2024