



MUTHU SURGICALS

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

CALIBRATION CERTIFICATE

Page. No : 1 of 1

Certificate No: MS018\MPT072023										
Customer Name & Address										
The medical officer ,										
Valanadu uphc, (block)										
621308,					Date of Receipt		28-09-2023			
					Date of Calibration		28-09-2023			
					Due Date for Calibration		29-08-2024			
Details of Unit Under Calibration										
Description			Micro Pipette			Make		THERMO SCIENTIFIC		
Range			0ul-10ul			Model		MICROLUX		
					Material		PVC			
Serial Number			HU39643			Operating Range				
ID Number					Condition of UUC					
Cal. At			Mechanical Lab			Instrument Location		LAB		
Description		ID.No. / Sl. No.		Certificate No.		Make/Model		Traceability		Valid till
Electronic Semi Micro Pipet		15112918		TVCSPL21/12/1587-01		GH-252		National Standards		09-02-2024
										Z Factor. 1.00319
	Nominal Value		Result of Calibration in PI				Mean Value	Systematic Random Error		Measurement Uncertainty (±)
		99.82	99.84	99.86	99.87	99.87				
1	02	99.86	99.87	99.88	99.87	99.88	99.86	-0.14	0.02	0.47
2	05	499.92	499.74	499.76	499.78	499.75	499.78	-0.22	0.05	0.47
		499.76	499.77	499.77	499.77	499.76				
		999.82	999.84	999.86	999.87	999.87				
3	10	999.84	999.82	999.84	999.87	999.86	999.85		0.02	0.47



MUTHU SURGICALS

101,ANNAI COMPLX,NEW BUS STAND
PERAMBALUR-621212

UDYAM REG NO : TN-16-000072

GST NO : 33DDEPM1487D1ZQ

PAN NO : DDEPM1487D

CALIBRATION CERTIFICATE

CERTIFICATE NO:	MS85202207	MECHANICAL	Page No:1 of 1
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Receipt Date	04-09-2023
Calibration Date	04-09-2023
Calibration Due	05-09-2024

Customer Name & Address
THE MEDICAL OFFICER, VALANADU UPHC, 621308.

Details of Device Under Calibration (DUC)

Description	CENTRIFUGE	Make & Model	REMI \ BDI-152
Range	3500 RPM	Sr. No	2013498
Least Count	1 RPM	Identification	NO
DUC Condition	Satisfactory	Location	LAB

Environmental Conditions & Standard Operating Procedure Details

Environmental Details	Temperature: 26.2 °c	Relative Humidity	48% Rh
Calibration Procedure No	SBS/CP/ML/04	Calibration done at	ONSITE

Reference Standards Details

S No	Description	Make/ SI No	Certificate No	Validity
1	Digital Tachometer	LINE SEIKI / 175-0034V	TMS/21/257 02	05-09-2024

CALIBRATION RESULT :

No	DEVICE UNDER CALIBRATION	STANDARD INSTRUMENTS	DEVIATION	EXPANDED UNCERTAINTY
1.	RPM	RPM	RPM	(1) %
	3000	2995.4	-@ 6	10

REMARKS

1 This Calibration certificate shall not be reproduced except in full, without written approval of the laboratory.

20. The user should determine the suitability of the instrument for its intended use.

21. The recalibration interval should be determined on the user requirement.

22. The results stated in this certificate relate only to the item calibrated.

11 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
(BIO MEDICAL ENGINEER)
(N.MUTHAZHAGAN BE.,(BME))

Authorized Signatory

Chief Executive





MUTHU SURGICALS

101ANNAI COMPLEX, NEW BUS

STSN, PERAMBALUR -621212

GST NO : 33DDEPM1487D1ZQ

UDYAM REG NO : TN-16-000072

PHONE NO : 8056356534

CALIBRATION CERTIFICATE

Certificate No: MS123\MPT072023

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Customer Name & Address

**THE MEDICAL OFFICER,
VALANADU UPHC (BLOCK),
621308,**

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-03942	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	TVCSPL21/12/1587-01	& GH-252	National Standards	02-01-2024



MUTHU SURGICALS

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

CALIBRATION CERTIFICATE

Certificate No:MS103\MPT072023

Page. NO : 11 Of 2

Customer Name & Address

**THE MEDICAL OFFICER,
URBAN PRIMARY HEALTH CENTRE (BLOCK),
VALANADU,
621308,**

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-11748	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	TVCSPL21/12/1587-01	& GH-252	National Standards	02-01-2024