

MUTHU SURGICALS

101, ANNAI COMPLX, NEW BUS STAND

PERAMBALUR-621212

UDYAM REG NO: TN-16-000072

GST NO

: 33DDEPM1487D1ZQ

PAN NO

: DDEPM1487D

CALIBRATION CERTIFICATE

			CALIBRA	HON CE		~!L			
CERTI	IFICATE NO:	MS82\20	02207			MECHANICAL	Page No:	1 of 1	
Calibra	ipt Date ation Date ation Due				04-09-	04-09-2023 04-09-2023 05-09-2024			
	mer Name & Add								
	EDICAL OFFICER, PALLAM PHC, L								
,,,,,,,,	***************************************		Details	of Device U	Jnder Calibra	ation (DUC)			
Description CENTE Range 3500 Least Count 1		CENTRII 3500 1	FUGE RPM RPM	Sr.	ke & Model No ntification	*	LABOTECH\ BDI-152 64381		
UC C	<u>on</u> dition	Satisfact	**************************************	Loc	cation	9	NO LAB	٠	
nviron	mental Details	Enviro				rating Procedure [
	The second secon		SBS/CP/ML/	Temperature: 26.2 °c SBS/CP/ML/04		e Humidity tion done at	48% Rh ONSITE		
					Standards De				
No Description				Make/ SI N	lo	Certificate N	0	Validity	
Digital Tachometer IBRATION RESULT:				LINE SEIKI	/ 175-0034V	TMS/21/257	7 02 05-09-2024		
0	DEVICE	UNDER	STANDAG		MENTS	DEVIATION	EVDA		

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.
 - 11. The user should determine the suitability of the instrument for its intended use.
 - 12. The recalibration interval should be determined on the user requirement.
 - 13. The results stated in this certificate relate only to the item calibrated.
 - 8 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)



MUTHU SURGICALS



101ANNAI COMPLEX,NEW BUS STSND,PERAMBALUR -621212

GST NO: 33DDEPM1487D1ZQ

UDYAM REG NO: TN-16-000072

PHONE NO: 8056356534

CALIBRATION CERTIFICATE

	ificate No:MS98\M		23				20				
Cus	tomer Name & Add	iress		160		_					
THE MEDICAL OFFICER, GOVERNMENT PRIMARY HEALTH CENTRE,											
	VIZHAPALLAM, 521803,						Receipt		-08-2023		
6218							Calibration	21	-08-2023	3	
							e for Calibration	22	-08-2024	+	
D.	ails Of Unit Under	Calibrati	on								
			Pipette			Make		TI	HERMO	FISHER	
Des	cription	Micro	ripette			TVICKO		SC	SCIENTIFIC		
Ran	ge	10-100	0GL			Model			FINNPIPETTE F3		
	Resolution					Material			PVC		
Serial Number RW-01			.264			Operatir	Operating Range				
V				A		Conditio	on of UUC				
Cal.	At	Mecha	nical Lab			Instrum	ent Location				
	Enviro	nmental	Conditio	n			Calibration	n Method	Used		
emp	perature (°c)	23.9	Humidi (%RH)	ty	55	Nationa Standar	l / International d	I	ISO 8655-6:2002		
tmo nbar	spheric Pressure	1006	Water		21.6	Cal Pro	Cal Procedure No			SBS/CP/ML/08	
anda	ard Used										
Sl. No.	Description	No.		Certificate		No.	Make/Mode1	Traceability		Valid til	
1	Electronic Semi Micro Balance			TVCSP	L21/12/1587-01		& GH- 252	8	ional dards	02-01-2024	

Z Factor. 1.00319

				Result	of Calibra	ation in g	l			
SI. No.	Nominal Value	7	Ot	served R	eadings		Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)
		99.72	9.74	99.76	99.77	99.78		004	0.02	0.47
1	10	99.76	99.77	99.76	99.77	99.78	99.76	-024		
		498.76	498.78	498.77	498.76	498.77	498.77	-1.23	0.01	0.47
2	50	498.77	498.76	498.76	498.77	498.76				
		999.82	999.84	999.86	99987	999.86	NA BIONNA SANTSER		0.02	
3	100	999.87	999.87	999.86	999.87	99987	999.86	-0.14		0.47

Remarks

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- 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 Chief Executive Cals

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GST NO: 33DDEPM1487D1ZQ

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CALIBRATION CERTIFICATE

Ce	rtificate No:MS119	MPT07	2023						Page.	NO: I10f2	
Cı	ustomer Name & Ac	ddress								200	
	IE MEDICAL OFF ZHAPALLAM PHO										
62	1803,				Date of	f Receipt		28-08-202	3		
					Date of	f Calibration		28-08-202	:3		
					Due Da	ate for Calibration		29-08-202	4		
Det	tails Of Unit Under	Calibrat	ion					West of the second			
Description Micro Pipette					Make	Make THERMO FISH SCIENTIFIC					
	Range 100-1000GL					Model	Model			FINNPIPETTE F3	
**************************************	Resolution					Material PVC					
Seri	al Number	RW36	1361	,		Operating Range					
V						Condition of UUC					
Cal.	At	Mecha	nical Lal)		Instrument Location					
	Enviro	nmental	Conditio	on			Calibratio	n Meth	od Used		
	perature (°c)	23.9	Humid (%RH)		55	National / International ISO 8655- Standard				-6:2002	
nbar		1006	Water Temperature (°0)		21.6		Cal Procedure No		SBS/CP/ML/08		
anda	ard Used										
1. Io.	Description	ID.No. / SL Certificate 1 No.			No.	No. Make/Model Trac		eability	Valid til		
1	Electronic Semi Micro Balance	1511	2918	TVCSPL21/12/1		587-01	& GH- 252	22,000	ational andards	02-01- 2024	

Z Factor. 1.00319

Authoriz

A St. P.O.				Result	of Calibra	tion in gl	X			Measurement
Sl. No.	Nominal Value		Ob	served Re	adings		Mean Value	Systematic Error -024	Random Error	Uncertainty (±)
110.	Value	99.72	9.74	99.76	99.77	99.78				
1	10	99.76	76 99.77 99.76 99.77 9	99.78	99.70	021				
		498.76	498.78	498.77	498.76	498.77	498.77	-1.23	0.01	0.47
2	100	498.77	498.76	498.76	498.77	498.76				
3		999.82	999.84	999.86	99987	999.86	000.00	-0.14	0.02	0.47
	1000	999.87	999.87	999.86	999.87	99987	999.86	-0.14		

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Calibrated By

(Calibration bio medical Engineer)

N.MUTHAZHAGAN