'Anjali Niketan', Flat No. 3, 2nd Floor, Viveknagar, Akurdi, Pune - 411035. Website: www.mastertechsystems.in

Email: service@mastertechsystems.in Mobile: +91 9623057200 /8408097666





MASTERTECH

WHEN QUALITY MATTERS

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OVEIDIVATION CERTIFI	ALIBRATION CERTIFICA	TF
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Certificate No. :- 2122/0325/09-02 ULR No. CC291122000013806F Date of Calibration :- 25-Mar-2022 Calibration Due Date

:- 24-Sep-2022 1. Clients Name & Address: SRF No.

:- 2122/0325/09 SRL Dr Avinash Phadke pvt. Ltd Date of Received :- 25-Mar-2022 Ground floor, Sumati, Behind Saraswat

Cal. Cert. Issue Date 30-Mar-2022 Co-op Bank Mulund-west, Mumbai-400080. Condition of UUC OK

Location of calibration :- In Lab

Calibration Procedure No. MTS/VM/WI-01 -2.Env Con: Air Pres. mbar 945.3 Temperature: 23.8 °C Relative Humidity:

3. Description of UUC

Name :- Micropipette Range 100-1000 ul Make :- Thermo F3 Resolution

Sr No

1 ul I.D No. :- Muld-4 Location Lab Type :- Variable

4. Reference Standards used for calibration:

Name Weighing Balance Make / Model Saffron / SES 265

I.D No./Sr. No. MTS/WB-04

Certificate No. NI/MTS/011021/001

Calibration Validity :-30/09/2022 Certified By NI (CC-2294)

Range/Uncertainty :-0 to 220 g/ ±0.000131 g

5. Calibration Results

Mechanical Calibration

Sr.No.	Calibration Point	UUC Reading µI	Standard Reading	Deviation μI	Expanded Uncertinity ±µl
1	100	100	99.8554	0.1446	0.80
2	500	500	499.5889	0.4111	6.60
3	1000	1000	999.1026	0.8974	6.60

NOTES:

- 1. The value measured of uuc & standard are mean of 10 reading.
- 2. The reported uncertainty is the expanded uncertainty in measurement obtained by multiplying the standard uncertainty by coverage factor K=2, which corresponds to a coverage probability of approximately 95.45% for normal distribution
- 3. This certificate refers only to the particular UUC submitted for calibration. UUC stands for Unit Under Calibration.
- 4. The calibration results reported in the certificate are valid at the time of and under the stated conditions of measurement.
- 5. This certificate shall not be reproduced, except in full unless written permission for the publication of an approved abstract has been obtained from "Mastertech Systems" Pune.

 6.The Instruments used for calibration are traceable to National/International standards and their calibrations are valid.

7. Volume Calculated at the reference temperature of 27 °C

Calibrated By

Mr Parshuram M. Calibration Engineer

Tim

Approved By

Mr. Daulat Shete **Technical Manager**

End of Certificate Calibration services for

MTS/F-64,0



FINE CALIBRATION SERVICES

Plot No. 280, Sector No.21, Yamunanagar, PCNTDA, Nigdi, Pune - 411044 (MH) Mob.: 7276470703, Email: fincalibration@gmail.com



CALIBRATION CERTIFICATE

1) Customer

Name & Address

SRL Dr Avinash Phadke pvt. Ltd

Ground floor, Sumati, Behind Saraswat Co-op Bank

Mulund-west, Mumbai-400080

Amb. Temp. Relative Humidity

50 %RH 943.8 mbar Air Pressure

24 8 °C

Physically Ok Condition of Item

FCS/2205/1104/001 Calibration Certificate No . : : CC337822000000568F

UIR No

Range

Model

Location

L.C.

: 11.05.2022 Date of Received 11.05.2022 Date of Calibration : 10.11.2022

Calibration Due On 16.05.2022 Date of Issue Location of Calibration : In lab

: F3

: Lab

: MECH/WI/06 Work Instruction No

100-1000 µl

1 µl

2) Details of UUC

Pipette Name : Muld-5 ID No Thermo Sci Make

Variable Type PW14315 Srno

3) Standard Used for Calibration

Single Pan Balance Name NI/FCS/211221/001 Cerificate No

· Nishitronics Certified By : FCS/BAL/01 ID/Sr No: : 20.12.2022 Due Date

4) Calibration Results : Mechanical Calibration

1) Calibration Result	s : Mechanical Calibrati	Error	Expanded Uncertainity	
Calibration Point	Standard Readings	UUC Readings	μl	±µl
μl	μι	100	0.3899	0.30
100	99.6101		1.9569	2.60
500	498.0431	500 1000	3.7124	2.60
1000	996.2876	1000	0.7121	ACCOUNT OF THE PARTY

- 1. The reported Expanded Uncertainty is calculated at 95.45 % Confidence level with coverage factor k=2
- 2. Equipment used for calibration were calibrated & traceable to National & International Standards.
- 3. This report refers only to particular item (s) submitted for calibration. UUC stands for Unit Under Calibration
- 4. The calibration results reported are valid at the time of and under the stated conditions of the measurements.
- 5. This report shall not be reproduced in full / part without prior permission of Fine Calibration Services
- 6. The value measured of uuc & standard are mean of 10 reading

7. Volume Calculated at the reference temperature of 27 °C

Calibrated By

Calibration Engineer

Vishal J

Approved

Quality Maha

Mr Shafik Chorgaste

Page No 1 of 1



FINE CALIBRATION SERVICES

Plot No. 280, Sector No.21, Yamunanagar, PCNTDA, Nigdi, Pune - 411044 (MH) Mob.: 7276470703, Email: fincalibration@gmail.com



CALIBRATION CERTIFICATE

1) Customer

Amb. Temp

Air Pressure

Name & Address SRL Dr Avinash Phadke pvt. Ltd

Ground floor, Sumati, Behind Saraswat Co-op Bank

24.2 °C

943.5 mbar

Physically Ok

53 %RH

Mulund-west, Mumbai-400080.

Date of Received

Date of Calibration

Calibration Due On

Date of Issue
Location of Calibration

ULR No

Work Instruction No

: 11.05.2022 : 11.05.2022 : 10.11.2022

: 10.11.2022 : 16.05.2022

: CC337822000000569F

: In lab

Calibration Certificate No .: FCS/2205/1104/002

5-50 µl

1 µl

: MECH/WI/06

Condition of Item

2) Details of UUC

Relative Humidity

Name : Pipette ID No : Muld-6

Make : Thermo Sci
Type : Variable
Sr no : PW15322

Range L.C.

Location

Model

: _

:F3 :Lab

Sr no. : PW15322

3) Standard Used for Calibration

Name : Single Pan Balance Cerificate No : NI/FCS/211221/001

Certified By : Nishitronics
ID/Sr No : : FCS/BAL/01
Due Date : 20.12.2022

4) Calibration Results : Mechanical Calibration

To distriction results : Meditarious substation						
Calibration Point	Standard Readings	UUC Readings	Error	Expanded Uncertainity ±ul		
10	9.9621	10	0.0379	0.30		
25	24.9017	25	0.0983	0.30		
50	49.8227	50	0.1773	0.30		

Note

- 1. The reported Expanded Uncertainty is calculated at 95.45 % Confidence level with coverage factor k=2.
- 2. Equipment used for calibration were calibrated & traceable to National & International Standards.
- 3. This report refers only to particular item (s) submitted for calibration. UUC stands for Unit Under Calibration
- 4. The calibration results reported are valid at the time of and under the stated conditions of the measurements.
- 5. This report shall not be reproduced in full / part without prior permission of Fine Calibration Services
- 6. The value measured of uuc & standard are mean of 10 reading
- 7. Volume Calculated at the reference temperature of 27 °C

Calibrated By

Calibration Engineer

Vishal J.

BRATION OF STREET

** End of the certificate **

ApprovedBy

Quality Manager
Mr Shafik Chorgaste

Page No 1 of 1



FINE CALIBRATION SERVICES

Plot No. 280, Sector No.21, Yamunanagar, PCNTDA, Nigdi, Pune - 411044 (MH) Mob.: 7276470703, Email : fincalibration@gmail.com



CALIBRATION CERTIFICATE

1) Customer				
Name & Address		Calibra	tion Certificate N	lo . : FCS/2205/1104/003
SRL Dr Avinash Pha	ULR N		: CC337822000000570F	
Ground floor, Suma	ti, Behind Saraswat Co-op E		Received	: 11.05.2022
Mulund-west, Mumb	pai-400080.		Calibration	: 11.05.2022
		Calibra	tion Due On	
Amb. Temp.	: 25.5 °C	Date of		: 16.05.2022
Relative Humidity	56 %RH	Locatio	n of Calibration	
Air Pressure	: 944.3 mbar	Work I	nstruction No	: MECH/WI/06
Condition of Item	: Physically Ok			
2) Details of UUC				
Name	: Pipette	Range	: 1	00 μΙ
ID No	: Muld-7	L.C.		1 µl
Make	: Thermo Electron	Model	: Ns	
Туре	: Fixd	Locatio	n :Lab	
Sr no.	: W19397			
3) Standard Used for	or Calibration			
Name	: Single Pan Balance			
Cerificate No	: NI/FCS/211221/001			
Certified By	: Nishitronics			
D/Sr No :	: FCS/BAL/01			
Due Date	: 20.12.2022			
Calibration Resu	lts : Mechanical Calibratio	n		
Calibration Point	Standard Readings	UUC Reading	s Error	Expanded Uncertainity
μl	μl	μl	μl	±µl
100	99.6333	100	0.3667	0.30

Note

- 1. The reported Expanded Uncertainty is calculated at 95.45 % Confidence level with coverage factor k=2.
- 2 Equipment used for calibration were calibrated & traceable to National & International Standards
- 3. This report refers only to particular item (s) submitted for calibration. UUC stands for Unit Under Calibration
- 4. The calibration results reported are valid at the time of and under the stated conditions of the measurements.
- 5. This report shall not be reproduced in full / part without prior permission of Fine Calibration Services
- 6. The value measured of uuc & standard are mean of 10 reading.
- 7. Volume Calculated at the reference temperature of 27 °C

Calibrated By

Calibration Engineer Vishal J.

RF-51/0

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Approved By

Quality Manager

Mr Shafik Chorgaste

Page No 1 of 1

'Anjali Niketan', Flat No. 3, 2nd Floor, Viveknagar, Akurdi, Pune - 411035. Website : www.mastertechsystems.in

Email: service@mastertechsystems.in Mobile: +91 9623057200 /8408097666





MASTERTECH SYSTEMS

WHEN QUALITY MATTERS

CALIBRATION CERTIFICA

Certificate No. :- 2122/0325/09-01 ULR No. :- CC291122000013805F

Date of Calibration :- 25-Mar-2022 Calibration Due Date :- 24-Sep-2022

1. Clients Name & Address : SRF No. :- 2122/0325/09

SRL Dr Avinash Phadke pvt. Ltd

Date of Received: 25-Mar-2022

SRL Dr Avinash Phadke pvt. Ltd Date of Received :- 25-Mar-2022
Ground floor, Sumati, Behind Saraswat Cal. Cert. Issue Date :- 30-Mar-2022

Co-op Bank Mulund-west, Mumbai-400080. Condition of UUC :- OK
Location of calibration :- In Lab

Calibration Procedure No. :- MTS/VM/WI-01

2.Env Con: Air Pres. mbar 946.2 Temperature: 23.7 °C Relative Humidity: 51 % Rh

3. Description of UUC

Name :- Micropipette Range :- 5-50 µl

 Make
 :- Thermo F3
 Resolution
 :- 1 μl

 I.D No.
 :- Muld-8
 Location
 :- Lab

 Type
 :- Variable
 Sr No
 :- HJ22069

4. Reference Standards used for calibration:

Name :- Weighing Balance
Make / Model :- Saffron / SES 265

I.D No./Sr. No. :- MTS/WB-04

Certificate No. :- NI/MTS/011021/001

Calibration Validity :- 30/09/2022 Certified By :- NI (CC-2294)

Range/Uncertainty :- 0 to 220 g/ ±0.000131 g

5. Calibration Results

Mechanical Calibration

Sr.No.	Calibration Point	UUC Reading µI	Standard Reading	Deviation µI	Expanded Uncertinity ±µI
1	10	10	9.9880	0.0120	0.80
2	25	25	24.9823	0.0177	0.80
3	50	50	49.9301	0.0699	0.80

NOTES:

1. The value measured of uuc & standard are mean of 10 reading.

2. The reported uncertainty is the expanded uncertainty in measurement obtained by multiplying the standard uncertainty by coverage factor K=2, which corresponds to a coverage probability of approximately 95.45% for normal distribution

3. This certificate refers only to the particular UUC submitted for calibration. UUC stands for Unit Under Calibration.

4.The calibration results reported in the certificate are valid at the time of and under the stated conditions of measurement.

5. This certificate shall not be reproduced, except in full unless written permission for the publication of an approved abstract has been obtained from "Mastertech Systems" Pune.

6. The Instruments used for calibration are traceable to National/International standards and their calibrations are valid.

7. Volume Calculated at the reference temperature of 27 °C

Calibrated By

Mr Parshuram M.
Calibration Engineer

1.70

Mr. Daulat Shete Technical Manager

Approved By

End of Certificate Calibration services for

MTS/F-64,00

'Anjali Niketan', Flat No. 3, 2nd Floor, Viveknagar, Akurdi, Pune - 411035. Website: www.mastertechsystems.in

Email: service@mastertechsystems.in Mobile: +91 9623057200 /8408097666





MASTERTECH

		CALIBRA	TION CERTIFICATE		
Certificate	. 21	.22/0325/09-04	ULR No.	:- CC291122000	0013808F
Date of Ca		5-Mar-2022	Calibration Due Date	:- 24-Sep-2022	
	Name & Address:		SRF No.	:- 2122/0325/0	9
	inash Phadke pvt. L		Date of Received	:- 25-Mar-2022	
	oor, Sumati, Behind		Cal. Cert. Issue Date	:- 30-Mar-2022	
Co-op Bar	nk Mulund-west, Mu	mbai-400080.	Condition of UUC	:- OK	
			Location of calibration	:- In Lab	
			Calibration Procedure No.	:- MTS/VM/WI-0:	1
	COLUMN TO THE PARTY OF THE PART	45.9 Temperature:	25.4 °C Relative H	umidity: 50	% Rh
	otion of UUC			and the same of	
Name	:- Micropipette		Range	:- 100	μΙ
Make	:- Thermo F3		Resolution	* * * * * * * * * * * * * * * * * * * *	
I.D No.	:- Muld-9		Location	:- Lab	
Туре	:- Fixed		Sr No	:- KW03282	
4. Referer	nce Standards used	for calibration:		1	
Name	:- Weig	hing Balance			
Make / Mo	odel :- Saffr	on / SES 265			
I.D No./Sr.	No. :- MTS/	/WB-04			
Certificate	No. :- NI/M	TS/011021/001			
Calibration	Validity :- 30/0	9/2022			
Certified E	3y :- NI (C	C-2294)			
Range/Und	certainty :- 0 to 2	220 g/±0.000131 g			
5. Calibrat	ion Results		A A		
Mechanica	al Calibration				
Sr.No.	Calibration Point	UUC Reading	Standard Reading	Deviation	Expanded
					Uncertinity
	μl	μΙ	µI /	μl	±µl
1	100	100	99.9021	0.0979	0.80

NOTES:

1. The value measured of uuc & standard are mean of 10 reading.

2. The reported uncertainty is the expanded uncertainty in measurement obtained by multiplying the standard uncertainty by coverage factor K=2, which corresponds to a coverage probability of approximately 95.45% for normal distribution

3. This certificate refers only to the particular UUC submitted for calibration. UUC stands for Unit Under Calibration.

4. The calibration results reported in the certificate are valid at the time of and under the stated conditions of measurement.

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6. The Instruments used for calibration are traceable to National/International standards and their calibrations are valid.

7. Volume Calculated at the reference temperature of 27 °C

Calibrated By

Pin Mr Parshuram M. Calibration Engineer Approved By

Mr. Daulat Shete Technical Manager

End of Certificate

'Anjali Niketan', Flat No. 3, 2nd Floor, Viveknagar, Akurdi, Pune - 411035. Website: www.mastertechsystems.in Email: service@mastertechsystems.in Mobile: +91 9623057200 /8408097666





MASTERTECH SYSTEMS

WHEN QUALITY MATTERS

% Rh

56

In Lab

Relative Humidity:

CALI	BRAT	ION	CERTIE	ICATE
0, 1				

Certificate No.	:- 2122/0325/09-03	ULR No.	•	CC291122000013807F
Date of Calibration :- 25-Mar-2022		Calibration Due Date	:-	24-Sep-2022
1. Clients Name & Address:		SRF No.	:-	2122/0325/09
SRL Dr Avinash Phadke pvt. Ltd		Date of Received	:-	25-Mar-2022
Ground floor, Sumati, Behind Saraswat Co-op Bank Mulund-west, Mumbai-400080.		Cal. Cert. Issue Date	:-	30-Mar-2022
		Condition of UUC	:-	ОК

Location of calibration

25.4 °C

Calibration Procedure No. MTS/VM/WI-01 2.Env Con: Air Pres. mbar

Temperature:

3. Description of UUC

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Name	:- Micropipette	Range	:- 100-1000 µl
Make	:- Thermo F2	Resolution	:- 1 ul
I.D No.	:- Muld-10	Location	:- Lab
Туре	:- Variable	Sr No	:- QW15892

4. Reference Standards used for calibration:

946.8

Name	:-	Weighing Balance
Make / Model	:-	Saffron / SES 265

I.D No./Sr. No. MTS/WB-04

Certificate No. NI/MTS/011021/001

Calibration Validity :-30/09/2022 Certified By NI (CC-2294)

1000

Range/Uncertainty:-0 to 220 g/ ±0.000131 g

5. Calibration Results

Sr.No.	Calibration Point	UUC Reading μΙ	Standard Reading µI	Deviation μΙ	Expanded Uncertinity ±µl
1	100	100	99.9349	0.0651	0.80
2	500	500	499.3538	0.6462	6.60

998.7774

NOTES:

3

- The value measured of uuc & standard are mean of 10 reading.
- 2. The reported uncertainty is the expanded uncertainty in measurement obtained by multiplying the standard uncertainty by coverage factor K=2, which corresponds to a coverage probability of approximately 95.45% for normal distribution
- 3. This certificate refers only to the particular UUC submitted for calibration. UUC stands for Unit Under Calibration.

1000

- 4. The calibration results reported in the certificate are valid at the time of and under the stated conditions of measurement.
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- 6.The Instruments used for calibration are traceable to National/International standards and their calibrations are valid.

7. Volume Calculated at the reference temperature of 27 °C

Calibrated By

Mr Parshuram M. Calibration Engineer

Po

Approved By

Mr Daulat Shete Technical Manager

End of Certificate
Calibration services for

6.60

1.2226