



MATOSHREE INSTRUMENTS™

Works : EL-107, 'Abhinav', 3rd Floor, T.T.C. Industrial Area, MIDC Mahape, Navi Mumbai - 400710.
Mobile No.: 9702578323. Email: matoshree.instruments@gmail.com.

Calibration Certificate

Pipette

Certificate No: MI 2012009

Service Requested by:	PGM Diagnostic	Request Date:	08.12.2020
	Shop No. 41/42, G- Wing,	Received on:	08.12.2020
	Gokul Nagari -II, W.E. Highway, Dattani Road,	Physical Condition:	Good
	Kandivali - East, Mumbai - 400101		

Details of Instrument/Unit Under Calibration (UUC)

Instrument Name:	Pipette	Calibration Date:	08.12.2020
Manufacturer:	Thermo Scientific	Next Cal. Due :	07.12.2021
Model :	Finnpipette F3	Calibrated at:	Lab
Serial No.:	KW05383		
Id. No.:	--		

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Ambient Conditions

Temperature	25.0 ± 2 °C	Relative Humidity	51.6 %RH ± 5 %RH
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Calibration Specifications

Parameters	Range	Least Count
Volume	5 - 50µl	0.1 µl

Reference Standards Used

Equipment	Make	ID No.	Certificate No.	Cal. Date	Due Date
Weighing Balance	Citizen	MI-022	2020/00676	10.08.2020	09.08.2021

Calibration Procedure: Pipette is Calibrated by comparison with Standards.

Observations:

Trial No.	Settings : 5 µl		Acceptable Criteria : ± 0.13µl		ρ at 25°C = 0.99704	
	Weight Indicated in gram	Calculated Volume in µl	Difference in µl	Mean Value In µl	Standard Deviation	C.V. in %
1	0.0049	4.91	-0.09	4.99	0.08	1.68
2	0.0049	4.91	-0.09			
3	0.0050	5.01	0.01			
4	0.0050	5.01	0.01			
5	0.0051	5.12	0.12			





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Calibration Certificate

Pipette

Certificate No: MI 2012008

Service Requested by:	PGM Diagnostic	Request Date:	08.12.2020
	Shop No. 41/42, G- Wing,	Received on:	08.12.2020
	Gokul Nagari -II, W.E. Highway, Dattani Road,	Physical Condition:	Good
	Kandivali - East, Mumbai - 400101		

Details of Instrument/Unit Under Calibration (UUC)			
Instrument Name:	Pipette	Calibration Date:	08.12.2020
Manufacturer:	Thermo Scientific	Next Cal. Due :	07.12.2021
Model :	Finnpipette F3	Calibrated at:	Lab
Serial No.:	LW03348		
Id. No.:	--		

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Ambient Conditions			
Temperature	24.9 ± 2 °C	Relative Humidity	52.8 %RH ± 5 %RH

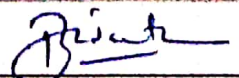
Calibration Specifications			
Parameters	Range	Least Count	
Volume	500µl	Fixed	

Reference Standards Used					
Equipment	Make	ID No.	Certificate No.	Cal. Date	Due Date
Weighing Balance	Citizen	MI-022	2020/00676	10.08.2020	09.08.2021

Calibration Procedure: Pipette is Calibrated by comparison with Standards.

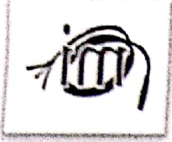
Observations:		Settings : 500 µl	Acceptable Criteria : ± 5 µl	p at 25°C = 0.99704		
Trial No.	Weight Indicated in gram	Calculated Volume in µl	Difference in µl	Mean Value In µl	Standard Deviation	C.V. in %
1	0.4977	499.18	-0.82	499.80	0.64	0.13
2	0.4979	499.38	-0.62			
3	0.4989	500.38	0.38			
4	0.4991	500.58	0.58			
5	0.4980	499.48	-0.52			

Note:
UUC: Unit under calibration
Uncertainty has been calculated for a coverage factor k=2 corresponding to approximately 95% Confidence Level
The Standard maintained are traceable to National/ International Standard through accredited Laboratories.
The observations reported represent values at the time of the measurements and under the stated condition. They do not convey any long term stability information.

Authorized By: 

Name: Prakash Niwate





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Calibration Certificate

Pipette

Certificate No: MI 2012007

Service Requested by:	PGM Diagnostic	Request Date:	08.12.2020
	Shop No. 41/42, G- Wing,	Received on:	08.12.2020
	Gokul Nagari -II, W.E. Highway, Dattani Road,	Physical Condition:	Good
	Kandivali - East, Mumbai - 400101		

Details of Instrument/Unit Under Calibration (UUC)

Instrument Name:	Pipette	Calibration Date:	08.12.2020
Manufacturer:	Thermo Scientific	Next Cal. Due :	07.12.2021
Model :	Finnpipette F3	Calibrated at:	Lab
Serial No.:	LW09685		
Id. No.:	--		

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Ambient Conditions

Temperature	24.9 ± 2 °C	Relative Humidity	52.8 %RH ± 5 %RH
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Calibration Specifications

Parameters	Range	Least Count
Volume	100µl	Fixed

Reference Standards Used

Equipment	Make	ID No.	Certificate No.	Cal. Date	Due Date
Weighing Balance	Citizen	MI-022	2020/00676	10.08.2020	09.08.2021

Calibration Procedure: Pipette is Calibrated by comparison with Standards.

Observations:

Settings : 100 µl		Acceptable Criteria : ± 3µl			ρ at 25°C = 0.99704	
Trial No.	Weight Indicated in gram	Calculated Valume in µl	Difference in µl	Mean Value In µl	Standard Deviation	C.V. in %
1	0.0991	99.39	-0.61	99.33	0.18	0.18
2	0.0990	99.29	-0.71			
3	0.0988	99.09	-0.91			
4	0.0990	99.29	-0.71			
5	0.0993	99.59	-0.41			

Note:

UUC: Unit under calibration

Uncertainty has been calculated for a coverage factor k=2 corresponding to approximately 95% Confidence Level

The Standard maintained are traceable to National/ International Standard through accredited Laboratories.

The observations reported represent values at the time of the measurements and under the stated condition. They do not convey any long term stability information.

Authorized By: