



CALIBRATION CERTIFICATE

Certificate Number: J00G8YYCH-0

Order Number: 222-881

RAININ
Pipetting 360°

Customer Houston Forensic Science Center
Jennifer O'Callaghan
500 Jefferson St
Houston, TX 77002-7300

Location 500 Jefferson St

Serial Number PU10409

Model THERMO FINNPIPETTE F2 100-1000 BLUE

Next Service 31.Oct.2025

Service Plan Onsite: Single Channel PM, 3x5 AR

Inspection Over All Condition: No Problem Found

Preventive Maintenance: Piston cleaned and re-greased
Adjustment: No-Adjustment made

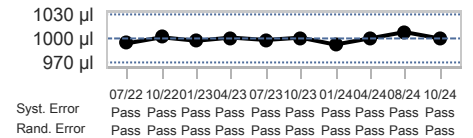
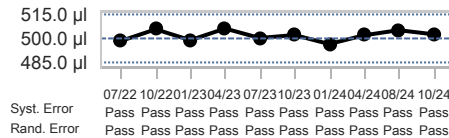
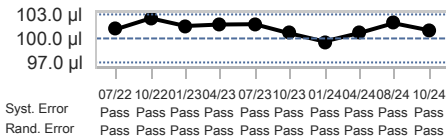
As left-Passed Steven Murray 01.Oct.2024

Conditions	Humidity 53.2 % 53.2 %	Air Temperature 20.08 °C 20.00 °C	Z-Factor 1.0029 µl/mg
	Air Pressure 1009.4 hPa 1009.3 hPa	Water Temperature 20.17 °C 20.16 °C	Evaporation 0 mg
Equipment	Balance C132316237Next Cal. (30.Nov.2024)Readability (0.0001 g)		Specification Type Custom
	Climate Monitor 3-Wire PT100 Temperature sensor (E22152)Next Cal. (20.Dec.2024) MS5611 Pressure (E25131)Next Cal. (02.Apr.2025) SHT31 Relative Humidity (E25131)Next Cal. (02.Apr.2025) SHT31 Temperature (E25131)Next Cal. (02.Apr.2025)		Pipette Tip Customer Supplied

Test Volume (µl)	Weighings				
	1	2	3	4	5
100.0 µl	100.7 mg	100.8 mg	101.0 mg	100.5 mg	100.9 mg
500.0 µl	500.9 mg	501.6 mg	501.9 mg	500.8 mg	501.0 mg
1000 µl	996.8 mg	996.8 mg	997.1 mg	998.9 mg	996.5 mg

Test Volume (µl)	Mean Volume (µl)	Systematic Error				Random Error				Expanded Uncertainty (µl)	Status
		Error (µl)	Limit (+/- µl)	Error (%)	Limit (+/- %)	Error (µl)	Limit (µl)	Error (CV%)	Limit (%)		
100.0	101.1	1.07	3.0	1.072	3.0	0.19	3.0	0.1909	3.0	1.2 µl (k=2)	Passed
500.0	502.7	2.69	15	0.5387	3.0	0.48	15	0.09630	3.0	1.6 µl (k=2.13)	Passed
1000	1000.1	0.11	30	0.01119	3.0	0.97	30	0.09655	3.0	2.7 µl (k=2.43)	Passed

As left History



Authorized Signatory, Steven Murray
01.Oct.2024

METTLER TOLEDO
ACCREDITED LABORATORY
7500 Edgewater Drive
Oakland, CA 94621

This calibration certificate is in accordance with ISO 8655-7:2022 and PS-125 and only applies to the item tested. Its measurements are traceable to SI through N.I.S.T. This laboratory has been accredited by A2LA for the requirements of ISO/IEC 17025:2017. The expanded uncertainty of measurement (U) is the standard uncertainty of measurement multiplied by the coverage factor k such that the coverage probability corresponds to approximately 95%. Statement of compliance is simple acceptance (see PS-126.03 for uncertainty considerations). Mettler-Toledo Rainin grants permission to reproduce this document in full only. ©2024 Mettler-Toledo Rainin, LLC.



CALIBRATION CERTIFICATE

Certificate Number: J00G8YYYYHQ-0

Order Number: 222-881

RAININ
Pipetting 360°

Customer Houston Forensic Science Center
Jennifer O'Callaghan
500 Jefferson St
Houston, TX 77002-7300

Location 500 Jefferson St

Serial Number PU10413

Model THERMO FINNPIPETTE F2 100-1000 BLUE

Next Service 31.Oct.2025

Service Plan Onsite: Single Channel PM, 3x5 AR

Inspection Over All Condition: No Problem Found

Preventive Maintenance: Piston cleaned and re-greased

Adjustment: No-Adjustment made

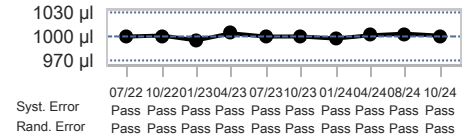
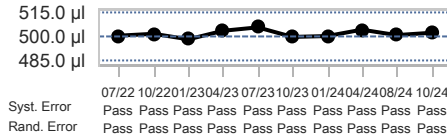
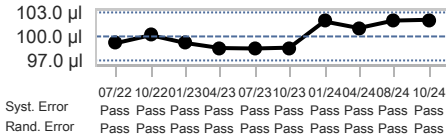
As left-Passed Steven Murray 01.Oct.2024

Conditions	Humidity	Start End 53.2 % 53.2 %	Air Temperature	Start End 20.00 °C 20.00 °C	Z-Factor	1.0029 µl/mg
	Air Pressure	1009.3 hPa 1009.3 hPa	Water Temperature	20.16 °C 20.16 °C		Evaporation
Equipment	Balance	C132316237Next Cal. (30.Nov.2024)Readability (0.0001 g)			Specification Type	Custom
	Climate Monitor	3-Wire PT100 Temperature sensor (E22152)Next Cal. (20.Dec.2024) MS5611 Pressure (E25131)Next Cal. (02.Apr.2025) SHT31 Relative Humidity (E25131)Next Cal. (02.Apr.2025) SHT31 Temperature (E25131)Next Cal. (02.Apr.2025)			Pipette Tip	Customer Supplied

Test Volume (µl)	Weighings				
	1	2	3	4	5
100.0 µl	102.0 mg	102.1 mg	102.0 mg	101.6 mg	101.5 mg
500.0 µl	500.4 mg	500.8 mg	501.5 mg	501.5 mg	500.3 mg
1000 µl	1000.5 mg	997.9 mg	997.6 mg	997.1 mg	997.6 mg

Test Volume (µl)	Mean Volume (µl)	Systematic Error				Random Error				Expanded Uncertainty (µl)	Status
		Error (µl)	Limit (+/- µl)	Error (%)	Limit (+/- %)	Error (µl)	Limit (µl)	Error (CV%)	Limit (%)		
100.0	102.1	2.14	3.0	2.135	3.0	0.27	3.0	0.2653	3.0	1.3 µl (k=2)	Passed
500.0	502.4	2.35	15	0.4705	3.0	0.58	15	0.1156	3.0	1.8 µl (k=2.18)	Passed
1000	1001.0	1.03	30	0.1035	3.0	1.35	30	0.1353	3.0	3.9 µl (k=2.65)	Passed

As left History



Authorized Signatory, Steven Murray

01.Oct.2024

METTLER TOLEDO
ACCREDITED LABORATORY
7500 Edgewater Drive
Oakland, CA 94621

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CALIBRATION CERTIFICATE

Certificate Number: J00G8YY2X6-0

Order Number: 222-881



Customer Houston Forensic Science Center
Jennifer O'Callaghan
500 Jefferson St

Houston, TX 77002-7300

Location 500 Jefferson St

Serial Number Q73985L

Model EPPENDORF MULTIPETTE M4 1ML COMBITIP
Next Service 31.Oct.2025
Service Plan Onsite: Single Channel PM, 3x5 AR

Inspection Over All Condition: No Problem Found

Preventive Maintenance: Cleaned and checked

Adjustment: No-Adjustment made

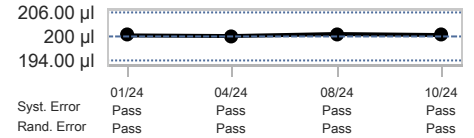
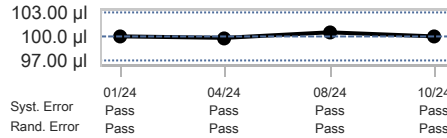
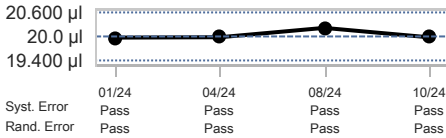
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Conditions	Humidity	Start End 55.5 % 55.5 %	Air Temperature	Start End 19.57 °C 19.61 °C	Z-Factor 1.0029 µl/mg
	Air Pressure	1009.5 hPa 1009.5 hPa	Water Temperature	19.93 °C 19.94 °C	
Equipment	Balance	C132316237Next Cal. (30.Nov.2024)Readability (0.0001 g)			Specification Type Custom
	Climate Monitor	3-Wire PT100 Temperature sensor (E22152)Next Cal. (20.Dec.2024) MS5611 Pressure (E25131)Next Cal. (02.Apr.2025) SHT31 Relative Humidity (E25131)Next Cal. (02.Apr.2025) SHT31 Temperature (E25131)Next Cal. (02.Apr.2025)			Pipette Tip Customer Supplied

Test Volume (µl)	Weighings				
	1	2	3	4	5
20.0 µl	20.3 mg	19.7 mg	20.0 mg	19.7 mg	19.9 mg
100.0 µl	99.6 mg	99.4 mg	100.0 mg	99.8 mg	99.8 mg
200 µl	199.6 mg	199.2 mg	199.4 mg	199.3 mg	201.4 mg

Test Volume (µl)	Mean Volume (µl)	Systematic Error				Random Error				Expanded Uncertainty (µl)	Status
		Error (µl)	Limit (+/- µl)	Error (%)	Limit (+/- %)	Error (µl)	Limit (µl)	Error (CV%)	Limit (%)		
		(µl)	(+/- µl)	(%)	(+/- %)	(µl)	(µl)	(CV%)	(%)		
20.0	19.98	-0.02	0.600	-0.1112	3.00	0.25	0.600	1.250	3.00	0.73 µl (k=2.65)	Passed
100.0	100.01	0.01	3.00	0.009188	3.00	0.23	3.00	0.2287	3.00	0.65 µl (k=2.52)	Passed
200	200.4	0.36	6.00	0.1797	3.00	0.92	6.00	0.4593	3.00	2.7 µl (k=2.87)	Passed

As left History



Authorized Signatory, Steven Murray

01.Oct.2024



7500 Edgewater Drive
Oakland, CA 94621

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CALIBRATION CERTIFICATE

Certificate Number: J00G8YYZL-0

Order Number: 222-881

RAININ
Pipetting 360°

Customer Houston Forensic Science Center
Jennifer O'Callaghan
500 Jefferson St
Houston, TX 77002-7300

Location 500 Jefferson St

Serial Number UU06767

Model THERMO FINNPIPETTE F2 2-20 YELLOW

Next Service 31.Oct.2025

Service Plan Onsite: Single Channel PM, 3x5 AR

Inspection Over All Condition: No Problem Found

Preventive Maintenance: Piston cleaned and re-greased
Adjustment: No-Adjustment made

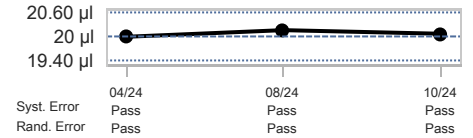
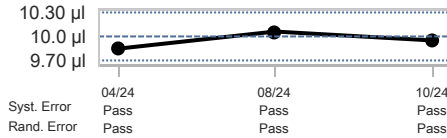
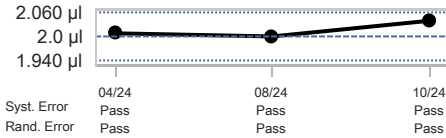
As left-Passed Steven Murray 01.Oct.2024

Conditions	Humidity	Start End 53.6 % 54.2 %	Air Temperature	Start End 19.90 °C 19.90 °C	Z-Factor 1.0029 µl/mg
	Air Pressure	1009.3 hPa 1009.4 hPa	Water Temperature	20.13 °C 20.16 °C	
Equipment	Balance	C132316237Next Cal. (30.Nov.2024)Readability (0.00001 g)			Specification Type Custom
	Climate Monitor	3-Wire PT100 Temperature sensor (E22152)Next Cal. (20.Dec.2024) MS5611 Pressure (E25131)Next Cal. (02.Apr.2025) SHT31 Relative Humidity (E25131)Next Cal. (02.Apr.2025) SHT31 Temperature (E25131)Next Cal. (02.Apr.2025)			Pipette Tip Customer Supplied

Test Volume (µl)	Weighings				
	1	2	3	4	5
2.0 µl	1.96 mg	2.08 mg	2.02 mg	2.09 mg	2.02 mg
10.0 µl	9.79 mg	9.99 mg	9.92 mg	9.96 mg	9.94 mg
20 µl	19.90 mg	19.96 mg	20.03 mg	20.01 mg	20.16 mg

Test Volume (µl)	Mean Volume (µl)	Systematic Error				Random Error				Expanded Uncertainty (µl)	Status
		Error (µl)	Limit (+/- µl)	Error (%)	Limit (+/- %)	Error (µl)	Limit (µl)	Error (CV%)	Limit (%)		
2.0	2.04	0.040	0.060	1.995	3.0	0.053	0.060	2.592	3.0	0.15 µl (k=2.65)	Passed
10.0	9.95	-0.051	0.30	-0.5123	3.0	0.077	0.30	0.7776	3.0	0.23 µl (k=2.87)	Passed
20	20.07	0.070	0.60	0.3502	3.0	0.097	0.60	0.4837	3.0	0.28 µl (k=2.87)	Passed

As left History



Authorized Signatory, Steven Murray
01.Oct.2024

METTLER TOLEDO
ACCREDITED LABORATORY
7500 Edgewater Drive
Oakland, CA 94621

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CALIBRATION CERTIFICATE

Certificate Number: J00G8YYY33-0

Order Number: 222-881

RAININ
Pipetting 360°

Customer Houston Forensic Science Center
Jennifer O'Callaghan
500 Jefferson St
Houston, TX 77002-7300

Location 500 Jefferson St

Serial Number UU07788

Model THERMO FINNPIPETTE F2 2-20 YELLOW
Next Service 31.Oct.2025
Service Plan Onsite: Single Channel PM, 3x5 AR

Inspection Over All Condition: No Problem Found

Preventive Maintenance: Piston cleaned and re-greased

Adjustment: No-Adjustment made

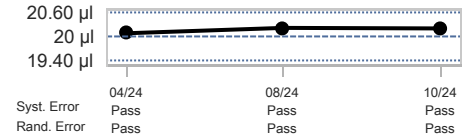
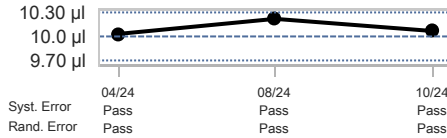
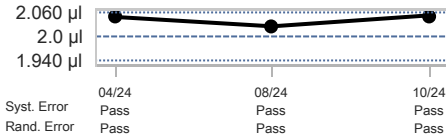
As left-Passed Steven Murray 01.Oct.2024

Conditions	Humidity	Start End 54.2 % 54.2 %	Air Temperature	Start End 19.90 °C 19.90 °C	Z-Factor	1.0029 µl/mg	
	Air Pressure	1009.4 hPa 1009.4 hPa	Water Temperature	20.16 °C 20.16 °C		Evaporation	0 mg
Equipment	Balance	C132316237Next Cal. (30.Nov.2024)Readability (0.00001 g)			Specification Type	Custom	
	Climate Monitor	3-Wire PT100 Temperature sensor (E22152)Next Cal. (20.Dec.2024) MS5611 Pressure (E25131)Next Cal. (02.Apr.2025) SHT31 Relative Humidity (E25131)Next Cal. (02.Apr.2025) SHT31 Temperature (E25131)Next Cal. (02.Apr.2025)				Pipette Tip	Customer Supplied

Test Volume (µl)	Weighings				
	1	2	3	4	5
2.0 µl	1.97 mg	2.04 mg	2.09 mg	2.07 mg	2.07 mg
10.0 µl	9.90 mg	10.04 mg	10.07 mg	10.08 mg	10.12 mg
20 µl	19.94 mg	20.21 mg	20.21 mg	20.20 mg	20.18 mg

Test Volume (µl)	Mean Volume (µl)	Systematic Error				Random Error				Expanded Uncertainty (µl)	Status
		Error (µl)	Limit (+/- µl)	Error (%)	Limit (+/- %)	Error (µl)	Limit (µl)	Error (CV%)	Limit (%)		
		2.0	2.05	0.054	0.060	2.697	3.0	0.047	0.060	2.301	3.0
10.0	10.07	0.071	0.30	0.7112	3.0	0.085	0.30	0.8403	3.0	0.25 µl (k=2.87)	Passed
20	20.21	0.206	0.60	1.032	3.0	0.117	0.60	0.5803	3.0	0.34 µl (k=2.87)	Passed

As left History



Authorized Signatory, Steven Murray
01.Oct.2024

METTLER TOLEDO
ACCREDITED LABORATORY
7500 Edgewater Drive
Oakland, CA 94621

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CALIBRATION CERTIFICATE

Certificate Number: J00G8YYZDV-0

Order Number: 222-881

RAININ
Pipetting 360°

Customer Houston Forensic Science Center
Jennifer O'Callaghan
500 Jefferson St
Houston, TX 77002-7300

Location 500 Jefferson St

Serial Number UU40072

Model THERMO FINNPIPETTE F2 2-20 YELLOW

Next Service 31.Oct.2025

Service Plan Onsite: Single Channel PM, 3x5 AR

Inspection Over All Condition: No Problem Found

Preventive Maintenance: Piston cleaned and re-greased
Adjustment: No-Adjustment made

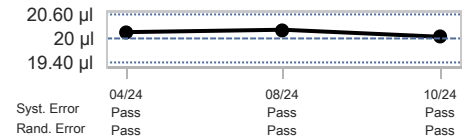
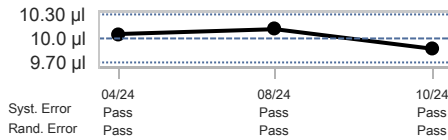
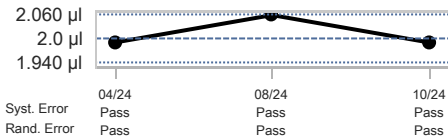
As left-Passed Steven Murray 01.Oct.2024

Conditions	Humidity	Start End 54.6 % 54.6 %	Air Temperature	Start End 19.78 °C 19.78 °C	Z-Factor	1.0029 µl/mg	
	Air Pressure	1009.4 hPa 1009.4 hPa	Water Temperature	20.12 °C 20.12 °C		Evaporation	0 mg
Equipment	Balance	C132316237Next Cal. (30.Nov.2024)Readability (0.00001 g)			Specification Type	Custom	
	Climate Monitor	3-Wire PT100 Temperature sensor (E22152)Next Cal. (20.Dec.2024) MS5611 Pressure (E25131)Next Cal. (02.Apr.2025) SHT31 Relative Humidity (E25131)Next Cal. (02.Apr.2025) SHT31 Temperature (E25131)Next Cal. (02.Apr.2025)				Pipette Tip	Customer Supplied

Test Volume (µl)	Weighings				
	1	2	3	4	5
2.0 µl	2.03 mg	1.90 mg	2.00 mg	2.01 mg	1.98 mg
10.0 µl	9.95 mg	9.87 mg	10.08 mg	9.76 mg	9.54 mg
20 µl	20.27 mg	20.15 mg	20.17 mg	19.80 mg	19.54 mg

Test Volume (µl)	Mean Volume (µl)	Systematic Error				Random Error				Expanded Uncertainty (µl)	Status
		Error (µl)	Limit (+/- µl)	Error (%)	Limit (+/- %)	Error (µl)	Limit (µl)	Error (CV%)	Limit (%)		
		(µl)	(+/- µl)	(%)	(+/- %)	(µl)	(µl)	(CV%)	(%)		
2.0	1.99	-0.010	0.060	-0.5123	3.0	0.050	0.060	2.535	3.0	0.14 µl (k=2.65)	Passed
10.0	9.87	-0.131	0.30	-1.315	3.0	0.205	0.30	2.077	3.0	0.59 µl (k=2.87)	Passed
20	20.04	0.044	0.60	0.2198	3.0	0.307	0.60	1.532	3.0	0.88 µl (k=2.87)	Passed

As left History



Authorized Signatory, Steven Murray
01.Oct.2024

METTLER TOLEDO
ACCREDITED LABORATORY
7500 Edgewater Drive
Oakland, CA 94621

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CALIBRATION CERTIFICATE

Certificate Number: J00G8YY3CF-0

Order Number: 222-881

RAININ
Pipetting 360°

Customer Houston Forensic Science Center
Jennifer O'Callaghan
500 Jefferson St
Houston, TX 77002-7300

Location 500 Jefferson St

Serial Number UU40101

Model THERMO FINNPIPETTE F2 20-200 YELLOW

Next Service 31.Oct.2025

Service Plan Onsite: Single Channel PM, 3x5 AR

Inspection Over All Condition: No Problem Found

Preventive Maintenance: Piston cleaned and re-greased
Adjustment: No-Adjustment made

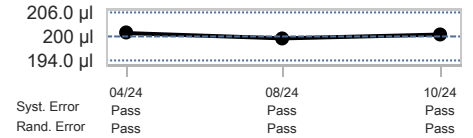
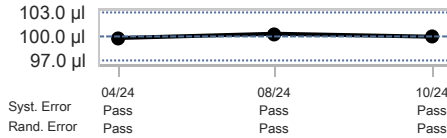
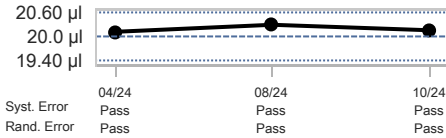
As left-Passed Steven Murray 01.Oct.2024

Conditions	Humidity 55.1 % 55.1 %	Air Temperature 19.66 °C 19.66 °C	Z-Factor 1.0029 µl/mg
	Air Pressure 1009.6 hPa 1009.6 hPa	Water Temperature 19.94 °C 19.94 °C	Evaporation 0 mg
Equipment	Balance C132316237Next Cal. (30.Nov.2024)Readability (0.0001 g)		Specification Type Custom
	Climate Monitor 3-Wire PT100 Temperature sensor (E22152)Next Cal. (20.Dec.2024) MS5611 Pressure (E25131)Next Cal. (02.Apr.2025) SHT31 Relative Humidity (E25131)Next Cal. (02.Apr.2025) SHT31 Temperature (E25131)Next Cal. (02.Apr.2025)		Pipette Tip Customer Supplied

Test Volume (µl)	Weighings				
	1	2	3	4	5
20.0 µl	20.1 mg	20.0 mg	20.1 mg	20.1 mg	20.2 mg
100.0 µl	99.4 mg	100.0 mg	99.9 mg	99.3 mg	99.8 mg
200 µl	199.7 mg	200.2 mg	199.7 mg	200.1 mg	199.8 mg

Test Volume (µl)	Mean Volume (µl)	Systematic Error				Random Error				Expanded Uncertainty (µl)	Status
		Error (µl)	Limit (+/- µl)	Error (%)	Limit (+/- %)	Error (µl)	Limit (µl)	Error (CV%)	Limit (%)		
		(µl)	(µl)	(%)	(%)	(µl)	(µl)	(CV%)	(%)		
20.0	20.16	0.16	0.60	0.7914	3.0	0.07	0.60	0.3518	3.0	0.28 µl (k=2.05)	Passed
100.0	99.97	-0.03	3.0	-0.03093	3.0	0.31	3.0	0.3124	3.0	0.88 µl (k=2.65)	Passed
200	200.48	0.48	6.0	0.2399	3.0	0.24	6.0	0.1173	3.0	0.66 µl (k=2.52)	Passed

As left History



Authorized Signatory, Steven Murray
01.Oct.2024

METTLER TOLEDO
ACCREDITED LABORATORY
7500 Edgewater Drive
Oakland, CA 94621

This calibration certificate is in accordance with ISO 8655-7:2022 and PS-125 and only applies to the item tested. Its measurements are traceable to SI through N.I.S.T. This laboratory has been accredited by A2LA for the requirements of ISO/IEC 17025:2017. The expanded uncertainty of measurement (U) is the standard uncertainty of measurement multiplied by the coverage factor k such that the coverage probability corresponds to approximately 95%. Statement of compliance is simple acceptance (see PS-126.03 for uncertainty considerations). Mettler-Toledo Rainin grants permission to reproduce this document in full only. ©2024 Mettler-Toledo Rainin, LLC.



CALIBRATION CERTIFICATE

Certificate Number: J00G8YYYYK9-0

Order Number: 222-881



Customer Houston Forensic Science Center
Jennifer O'Callaghan
500 Jefferson St
Houston, TX 77002-7300

Location 500 Jefferson St

Serial Number UU40130

Model THERMO FINNPIPETTE F2 100-1000 BLUE
Next Service 31.Oct.2025
Service Plan Onsite: Single Channel PM, 3x5 AR

Inspection Over All Condition: No Problem Found

Preventive Maintenance: Piston cleaned and re-greased

Adjustment: No-Adjustment made

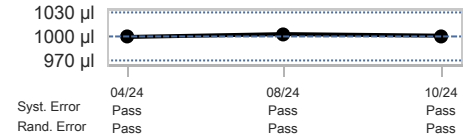
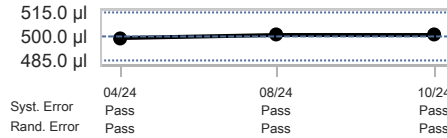
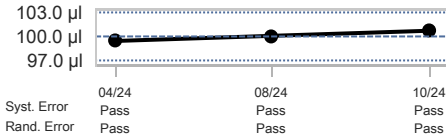
As left-Passed Steven Murray 01.Oct.2024

Conditions	Humidity	Start End 53.2 % 53.2 %	Air Temperature	Start End 20.00 °C 20.00 °C	Z-Factor 1.0029 µl/mg
	Air Pressure	1009.3 hPa 1009.3 hPa	Water Temperature	20.16 °C 20.16 °C	
Equipment	Balance	C132316237Next Cal. (30.Nov.2024)Readability (0.0001 g)			Specification Type Custom
	Climate Monitor	3-Wire PT100 Temperature sensor (E22152)Next Cal. (20.Dec.2024) MS5611 Pressure (E25131)Next Cal. (02.Apr.2025) SHT31 Relative Humidity (E25131)Next Cal. (02.Apr.2025) SHT31 Temperature (E25131)Next Cal. (02.Apr.2025)			Pipette Tip Customer Supplied

Test Volume (µl)	Weighings				
	1	2	3	4	5
100.0 µl	99.7 mg	100.2 mg	100.2 mg	100.4 mg	101.7 mg
500.0 µl	498.8 mg	499.4 mg	500.6 mg	499.3 mg	499.2 mg
1000 µl	1000.2 mg	998.2 mg	997.7 mg	996.9 mg	997.6 mg

Test Volume (µl)	Mean Volume (µl)	Systematic Error				Random Error				Expanded Uncertainty (µl)	Status
		Error (µl)	Limit (+/- µl)	Error (%)	Limit (+/- %)	Error (µl)	Limit (µl)	Error (CV%)	Limit (%)		
		(µl)	(+/- µl)	(%)	(+/- %)	(µl)	(µl)	(CV%)	(%)		
100.0	100.7	0.73	3.0	0.7313	3.0	0.75	3.0	0.7470	3.0	2.2 µl (k=2.28)	Passed
500.0	500.9	0.91	15	0.1817	3.0	0.68	15	0.1355	3.0	2.0 µl (k=2.25)	Passed
1000	1001.0	1.01	30	0.1015	3.0	1.26	30	0.1254	3.0	3.7 µl (k=2.65)	Passed

As left History



Authorized Signatory, Steven Murray

01.Oct.2024

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