



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

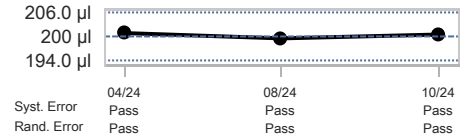
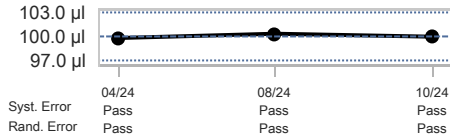
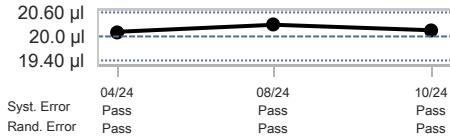
As left-Passed Steven Murray 01.Oct.2024

Conditions	Humidity	Start End	Air Temperature	Start End	Z-Factor	1.0029 µl/mg
	Air Pressure	55.1 % 55.1 %	Water Temperature	19.66 °C 19.66 °C		Evaporation
Equipment	Balance	1009.6 hPa 1009.6 hPa		19.94 °C 19.94 °C	Specification Type	Custom
	Climate Monitor	C132316237Next Cal. (30.Nov.2024)Readability (0.0001 g)			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 (%)		
		20.0	20.16	0.16	0.60	0.7914	3.0	0.07	0.60		
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.