



CALIBRATION CERTIFICATE

Certificate Number: F00G8H6DSU-0

Order Number: 222-414

RAININ
Pipetting 360°

Customer Houston Forensic Science Center
Callan Hundl
500 Jefferson St

Houston, TX 77002-7300

Location 500 Jefferson St

Serial Number PU10413

Model THERMO FINNPIPETTE F2 100-1000 BLUE
Next Service Jul.2021
Service Plan Onsite: Single Channel PM, 3x5 AR

Inspection Over All Condition: Good

Preventive Maintenance: Piston cleaned and re-greased

Adjustment: No-Adjustment made

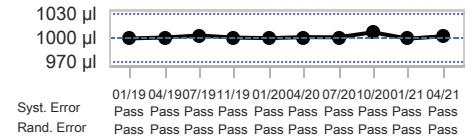
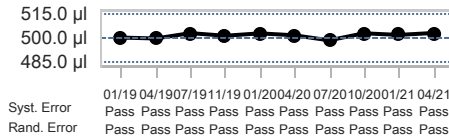
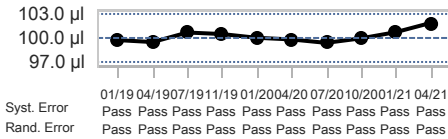
As left-Passed Steven Murray 05.Apr.2021

Conditions	Humidity	Start End 68.17 % 68.17 %	Air Temperature	Start End 17.59 °C 17.59 °C	Z-Factor	1.0024 µl/mg	
	Air Pressure	1019.98 hPa 1019.98 hPa	Water Temperature	17.59 °C 17.59 °C		Evaporation	0 mg
Equipment	Balance	B442140901Next Cal. (31.Jul.2021)Readability (0.0001 g)				Pipette Tip	Customer Supplied
	Climate Monitor	BP (QN400005684)Next Cal. (31.Dec.2021) Humidity - 200017918 (200017918)Next Cal. (10.Jan.2022) Temperature - 200017918 (200017918)Next Cal. (10.Jan.2022)				Specification Type	Custom

Test Volume (µl)	Weighings				
	1	2	3	4	5
100.0 µl	101.9 mg	100.4 mg	102.2 mg	102.3 mg	101.6 mg
500.0 µl	503.5 mg	503.4 mg	501.3 mg	501.0 mg	500.8 mg
1000 µl	999.2 mg	999.8 mg	1000.4 mg	1000.3 mg	998.6 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	101.9	1.92	3.0	1.924	3.0	0.77	3.0	0.7535	3.0
500.0	503.2	3.20	15	0.6410	3.0	1.34	15	0.2661	3.0	3.9 µl (k=2.65)	Passed
1000	1002.1	2.06	30	0.2059	3.0	0.76	30	0.07605	3.0	2.2 µl (k=2)	Passed

As left History



Serial #



Certificate #

Authorized Signatory, Steven Murray

05.Apr.2021

METTLER TOLEDO

This calibration covered by this certificate is in accordance with ISO 8655-6:2002 and PS-125. 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 reported expanded uncertainty of measurement (U) is stated as the standard uncertainty of measurement multiplied by the coverage factor k such that the coverage probability corresponds to approximately 95 %. Statement of compliance does not include the measurement of uncertainty. Mettler-Toledo Rainin LLC grants permission to reproduce this document in full only. ©2020 Mettler-Toledo Rainin, LLC