



CALIBRATION CERTIFICATE

Certificate Number: F00G80Y4BZ-0

Order Number: 222-380

RAININ

Pipetting 360°

Customer Houston Forensic Science Center
Callan Hundl
500 Jefferson St

Houston, TX 77002-7300

Location 500 Jefferson St

Serial Number 342763602

Model VWR EHP 100-1000

Next Service Apr.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

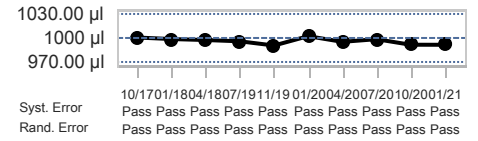
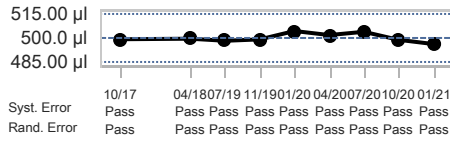
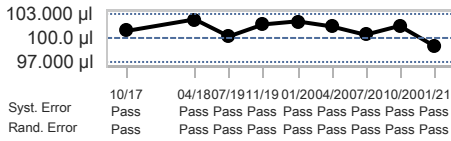
As left-Passed Steven Murray 08.Jan.2021

Conditions	Humidity	Start End 42.31 % 42.31 %	Air Temperature	Start End 19.46 °C 19.46 °C	Z-Factor	1.0028 µl/mg	
	Air Pressure	1025.73 hPa 1025.73 hPa	Water Temperature	19.46 °C 19.46 °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	99.5 mg	98.8 mg	98.5 mg	98.4 mg	98.5 mg
500.0 µl	494.3 mg	493.7 mg	493.6 mg	495.1 mg	496.9 mg
1000 µl	990.3 mg	988.1 mg	987.3 mg	987.6 mg	989.0 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	99.0	-0.98	3.000	-0.9835	3	0.45	3.000		
500.0	496.1	-3.89	15.00	-0.7790	3	1.36	15.00	0.2743	3	3.9 µl (k=2.65)	Passed
1000	991.2	-8.77	30.00	-0.8772	3	1.22	30.00	0.1228	3	3.4 µl (k=2.52)	Passed

As left History



Authorized Signatory, Steven Murray

08.Jan.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