



CALIBRATION CERTIFICATE
 Certificate Number: G00G8RBSVN-0
 Order Number: 222-586



Customer Houston Forensic Science Center **Location** 500 Jefferson St **Serial Number** 342753263
 Jennifer OCallaghan
 500 Jefferson St
 Houston, TX 77002-7300
Model VWR HIGH PERFORMANCE PIPETTOR 200 µl
Next Service Jul.2023
Service Plan Onsite: Single Channel PM, 3x5 AR

Inspection Over All Condition: Good

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

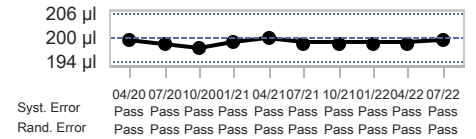
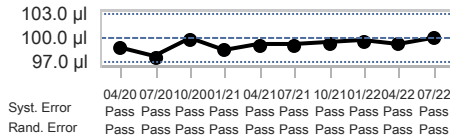
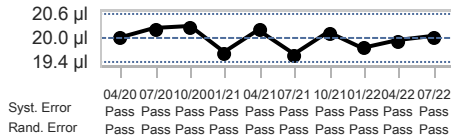
As left-Passed Steven Murray 01.Jul.2022

Conditions	Humidity 58.07 % 58.07 %	Air Temperature 20.23 °C 20.23 °C	Z-Factor 1.0029 µl/mg
	Air Pressure 1013.20 hPa 1013.20 hPa	Water Temperature 20.23 °C 20.23 °C	Evaporation 0 mg
Equipment	Balance C132316237Next Cal. (30.Nov.2022)Readability (0.0001 g)		Pipette Tip Customer Supplied
	Climate Monitor BP (QN400005684)Next Cal. (31.Dec.2022) Humidity - 122594359 (122594359)Next Cal. (31.Aug.2022) Temperature - 122594359 (122594359)Next Cal. (31.Aug.2022)		Specification Type Custom

Test Volume (µl)	Weighings				
	1	2	3	4	5
20.0 µl	19.8 mg	19.9 mg	20.0 mg	20.0 mg	20.1 mg
100.0 µl	99.5 mg	99.7 mg	99.7 mg	99.8 mg	99.7 mg
200 µl	198.6 mg	198.6 mg	198.7 mg	198.8 mg	198.7 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	20.02	0.02	0.6	0.08942	3	0.11	0.6		
100.0	99.97	-0.03	3	-0.03093	3	0.11	3	0.1099	3	0.34 µl (k=2.16)	Passed
200	199.26	-0.74	6	-0.3719	3	0.08	6	0.04211	3	0.38 µl (k=2)	Passed

As left History



Authorized Signatory, Steven Murray
 01.Jul.2022

METTLER TOLEDO
 ACCREDITED LABORATORY
 7500 Edgewater Drive
 Oakland, CA 94621