



CALIBRATION CERTIFICATE
 Certificate Number: F00G8H6G8X-0
 Order Number: 222-414



Customer Houston Forensic Science Center
 Callan Hundl
 500 Jefferson St
 Houston, TX 77002-7300

Location 500 Jefferson St

Serial Number 112207

Model EPPENDORF 4810 YELLOW 10µl-100µl
Next Service Jul.2021
Service Plan Onsite: Single Channel PM, 3x5 AR

Inspection Over All Condition: Good

Preventive Maintenance: Cleaned and checked
Adjustment: No-Adjustment made

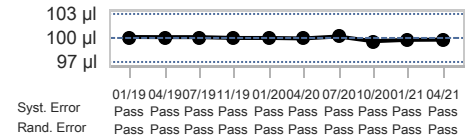
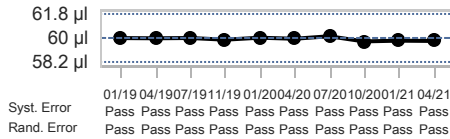
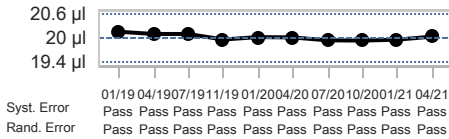
As left-Passed Steven Murray 05.Apr.2021

Conditions	Humidity	Start End 69.12 % 69.12 %	Air Temperature	Start End 17.82 °C 17.82 °C	Z-Factor	1.0025 µl/mg	
	Air Pressure	1019.98 hPa 1019.98 hPa	Water Temperature	17.82 °C 17.82 °C		Evaporation	0 mg
Equipment	Balance	B442140901Next Cal. (31.Jul.2021)Readability (0.00001 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
20 µl	20.42 mg	19.89 mg	19.93 mg	19.85 mg	19.82 mg
60 µl	59.16 mg	59.70 mg	59.63 mg	59.74 mg	59.87 mg
100 µl	99.97 mg	99.15 mg	99.67 mg	99.67 mg	99.20 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	20.03	0.032	0.6	0.1598	3	0.249	0.6		
60	59.77	-0.231	1.8	-0.3849	3	0.272	1.8	0.4555	3	0.80 µl (k=2.87)	Passed
100	99.8	-0.219	3	-0.2192	3	0.349	3	0.3502	3	1.0 µl (k=2.87)	Passed

As left History



Authorized Signatory, Steven Murray
 05.Apr.2021

