



CALIBRATION CERTIFICATE

Certificate Number: G00G8RBQRB-0

Order Number: 222-586

RAININ
Pipetting 360°

Customer Houston Forensic Science Center
Jennifer O'Callaghan
500 Jefferson St

Houston, TX 77002-7300

Location 500 Jefferson St

Serial Number H66848K

Model EPPENDORF MULTIPETTE M4 1ML COMBITIP
Next Service Jul.2023
Service Plan Onsite: Single Channel PM, 3x5 AR

Inspection Over All Condition: Good

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

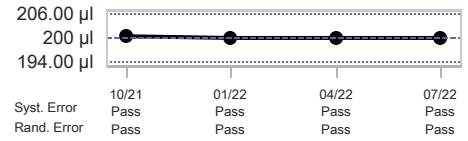
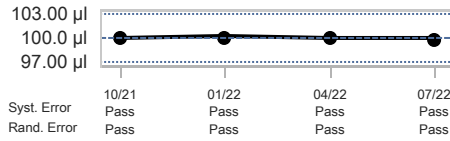
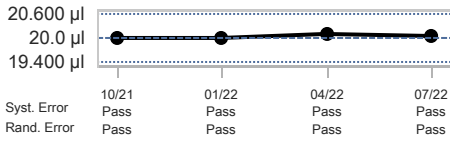
As left-Passed Steven Murray 01.Jul.2022

Conditions	Humidity 54.16 % 54.16 %	Air Temperature 20.06 °C 20.06 °C	Z-Factor 1.0029 µl/mg
	Air Pressure 1013.20 hPa 1013.20 hPa	Water Temperature 20.06 °C 20.06 °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	20.4 mg	19.8 mg	20.1 mg	20.3 mg	19.3 mg
100.0 µl	99.4 mg	99.7 mg	99.6 mg	99.6 mg	99.4 mg
200 µl	199.3 mg	199.3 mg	198.6 mg	199.0 mg	200.1 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	20.0	0.04	0.600	0.1897	3.00	0.45	0.600	2.221	3.00
100.0	99.83	-0.17	3.00	-0.1713	3.00	0.13	3.00	0.1348	3.00	0.40 µl (k=2.23)	Passed
200	199.8	-0.16	6.00	-0.08107	3.00	0.55	6.00	0.2762	3.00	1.6 µl (k=2.87)	Passed

As left History



Authorized Signatory, Steven Murray
01.Jul.2022

METTLER TOLEDO
ACCREDITED LABORATORY
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Oakland, CA 94621