



CALIBRATION CERTIFICATE

Certificate Number: F00G8H6GWD-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 HM05677

Model GILSON MICROMAN E M250E
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

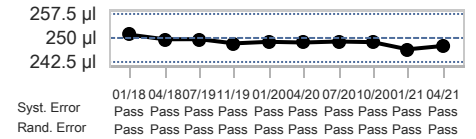
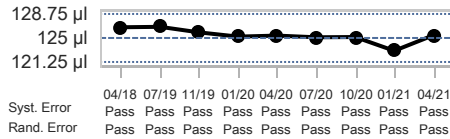
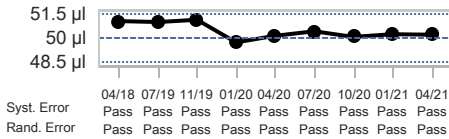
As left-Passed Steven Murray 05.Apr.2021

Conditions	Humidity	Start End 68.95 % 68.95 %	Air Temperature	Start End 17.78 °C 17.78 °C	Z-Factor	1.0025 µl/mg	
	Air Pressure	1019.98 hPa 1019.98 hPa	Water Temperature	17.78 °C 17.78 °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
50 µl	48.9 mg	50.2 mg	50.3 mg	50.5 mg	50.5 mg
125 µl	124.0 mg	126.6 mg	125.0 mg	125.2 mg	124.8 mg
250 µl	246.8 mg	246.3 mg	246.5 mg	246.3 mg	248.1 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 (%)		
		50	50.2	0.21	1.5	0.4104	3	0.67	1.5	1.342	3
125	125.4	0.43	3.75	0.3462	3	0.95	3.75	0.7548	3	2.8 µl (k=2.87)	Passed
250	247.4	-2.58	7.5	-1.033	3	0.76	7.5	0.3059	3	1.6 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