



CALIBRATION CERTIFICATE

Certificate Number: F00G80Y3S2-0

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 HM05677

Model GILSON MICROMAN E M250E

Next Service Apr.2021

Service Plan Onsite: Single Channel PM, 3x5 AR

Inspection Over All Condition: Good

Preventive Maintenance: Cleaned and checked

Adjustment: No-Adjustment made

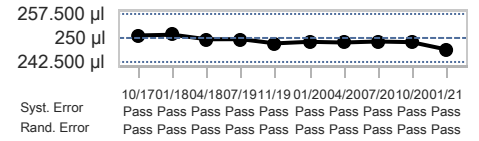
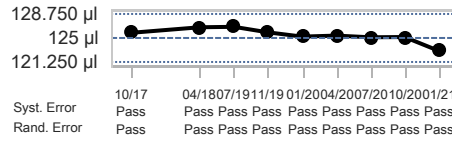
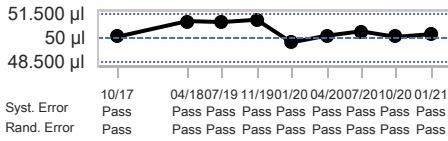
As left-Passed Steven Murray 08.Jan.2021

Conditions	Humidity	Start End 42.25 % 42.25 %	Air Temperature	Start End 19.43 °C 19.43 °C	Z-Factor	1.0028 µl/mg	
	Air Pressure	1025.73 hPa 1025.73 hPa	Water Temperature	19.43 °C 19.43 °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	48.8 mg	50.3 mg	50.2 mg	50.5 mg	50.7 mg
125 µl	122.8 mg	123.5 mg	122.4 mg	121.9 mg	122.4 mg
250 µl	243.9 mg	244.9 mg	245.5 mg	246.9 mg	247.1 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	0.24	1.500	0.4806	3	0.75	1.500	1.500		
125	-2.06	3.750	-1.645	3	0.60	3.750	0.4860	3	1.8 µl (k=2.87)	Passed	
250	-3.65	7.500	-1.461	3	1.36	7.500	0.5504	3	3.9 µl (k=2.87)	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