



CALIBRATION CERTIFICATE

Certificate Number: F00G8H6CK8-0

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 ML600EM7903

Model HAMILTON MICROLAB 600 1000 µL BFP
Next Service Jul.2021
Service Plan Onsite: Single Channel PM, 2x5 AR

Inspection Over All Condition: Good

Preventive Maintenance: Cleaned and checked

Adjustment: No-Adjustment made

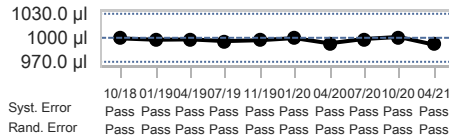
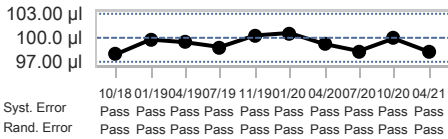
As left-Passed Steven Murray 05.Apr.2021

Conditions	Humidity	71.35 % 71.35 %	Air Temperature	17.37 °C 17.37 °C	Z-Factor	1.0024 µl/mg	
	Air Pressure	1019.98 hPa 1019.98 hPa	Water Temperature	17.37 °C 17.37 °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
100.0 µl	98.6 mg	97.2 mg	98.7 mg	97.8 mg	97.7 mg
1000 µl	989.5 mg	988.6 mg	989.1 mg	989.3 mg	988.7 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 (%)		
100.0	98.2	-1.76	3.00	-1.765	3.00	0.64	3.00	0.6494	3.00	1.8 µl (k=2.87)	Passed
1000	991.4	-8.59	30.0	-0.8586	3.00	0.39	30.0	0.03890	3.00	2.2 µl (k=2)	Passed

As left History



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