



CALIBRATION CERTIFICATE

Certificate Number: F00G80YZK6-0

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 ML600BE1742

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

Inspection Over All Condition: Good

Preventive Maintenance: Cleaned and checked

Adjustment: No-Adjustment made

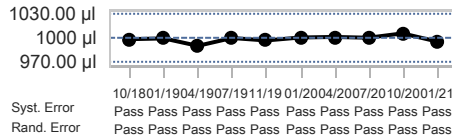
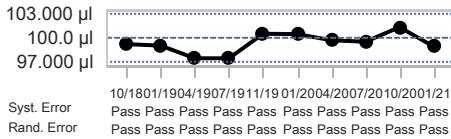
As left-Passed Steven Murray 08.Jan.2021

Conditions	Humidity	Start End 42.18 % 42.18 %	Air Temperature	Start End 19.38 °C 19.38 °C	Z-Factor	1.0028 µl/mg	
	Air Pressure	1025.73 hPa 1025.73 hPa	Water Temperature	19.38 °C 19.38 °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	98.4 mg	99.3 mg	98.1 mg	99.1 mg	98.1 mg
1000 µl	992.2 mg	993.2 mg	991.6 mg	993.1 mg	992.7 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	98.9	-1.12	3.000	-1.124	3.00	0.57	3.000	0.5737	3.00	1.6 µl (k=2.87)	Passed
1000	995.3	-4.66	30.00	-0.4661	3.00	0.67	30.00	0.06706	3.00	2.2 µl (k=2)	Passed

As left History



Authorized Signatory, Steven Murray

08.Jan.2021

METTLER TOLEDO



Serial #



Certificate #

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