



# CALIBRATION CERTIFICATE

Certificate Number: H00G83AQGC-0

Order Number: 222-766

**RAININ**  
Pipetting 360°

**Customer** Houston Forensic Science Center  
Jennifer O'Callaghan  
500 Jefferson St  
  
Houston, TX 77002-7300

**Location** 500 Jefferson St

**Serial Number** ML600EM7903

**Model** HAMILTON MICROLAB 600 1000 µL BFP  
**Next Service** 31.Oct.2024  
**Service Plan** Onsite: Single Channel PM, 2x5 AR

**Inspection** Over All Condition: Good

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

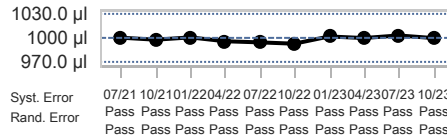
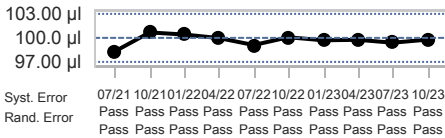
**As left-Passed** Steven Murray 30.Oct.2023

<b>Conditions</b>	<b>Humidity</b> 47.8 %   47.8 %	<b>Air Temperature</b> 20.2 °C   20.2 °C	<b>Z-Factor</b> 1.0029 µl/mg
	<b>Air Pressure</b> 1011.3 hPa   1011.3 hPa	<b>Water Temperature</b> 20.2 °C   20.2 °C	<b>Evaporation</b> 0 mg
<b>Equipment</b>	<b>Balance</b> C132316237Next Cal. (30.Nov.2023)Readability (0.0001 g)		<b>Specification Type</b> Custom
	<b>Climate Monitor</b> Bar. pressure abs. air pressure (2112149)Next Cal. (01.Dec.2023)   Humidity (2112149)Next Cal. (01.Dec.2023)   Temp (2112149)Next Cal. (01.Dec.2023)		<b>Pipette Tip</b> Customer Supplied

Test Volume (µl)	Weighings				
	1	2	3	4	5
100.0 µl	100.1 mg	99.9 mg	99.0 mg	99.7 mg	98.7 mg
1000 µl	996.7 mg	992.8 mg	998.7 mg	1000.1 mg	996.1 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 (%)		
		(µl)	(+/- µl)	(%)	(+/- %)	(µl)	(µl)	(CV%)	(%)		
100.0	99.8	-0.23	3.00	-0.2315	3.00	0.60	3.00	0.6048	3.00	1.7 µl (k=2.87)	Passed
1000	999.8	-0.23	30.0	-0.02290	3.00	2.79	30.0	0.2791	3.00	8.0 µl (k=2.87)	Passed

### As left History



Authorized Signatory, Steven Murray  
30.Oct.2023

**METTLER TOLEDO**  
ACCREDITED LABORATORY  
7500 Edgewater Drive  
Oakland, CA 94621

This calibration covered by this certificate is in accordance with ISO 8655-7:2022 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