



CALIBRATION CERTIFICATE

Certificate Number: H00G83AQN-X-0

Order Number: 222-766

RAININ
Pipetting 360°

Customer Houston Forensic Science Center **Location** 500 Jefferson St **Serial Number** ML600BE1742
 Jennifer O'Callaghan
 500 Jefferson St
 Houston, TX 77002-7300
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

Conditions Humidity 47.8 % | 47.8 % **Air Temperature** 20.2 °C | 20.2 °C
Air Pressure 1011.5 hPa | 1011.5 hPa **Water Temperature** 20.2 °C | 20.2 °C
Equipment Balance C132316237Next Cal. (30.Nov.2023)Readability (0.0001 g)
Climate Monitor 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)
Z-Factor 1.0029 µl/mg
Evaporation 0 mg
Specification Type Custom
Pipette Tip Customer Supplied

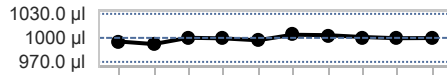
Test Volume (µl)	Weighings				
	1	2	3	4	5
100.0 µl	98.6 mg	98.2 mg	99.1 mg	98.2 mg	98.7 mg
1000 µl	992.0 mg	996.8 mg	998.6 mg	998.6 mg	998.5 mg

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	98.8	-1.15	3.00	-1.154	3.00	0.38	3.00	0.3837	3.00	1.1 µl (k=2.87)	Passed
1000	999.8	-0.21	30.0	-0.02090	3.00	2.85	30.0	0.2853	3.00	8.2 µl (k=2.87)	Passed

As left History



Syst. Error 01/21 04/21 10/21 01/22 04/22 10/22 01/23 04/23 07/23 10/23
 Pass Pass Pass Pass Pass Pass Pass Pass Pass Pass
 Rand. Error Pass Pass Pass Pass Pass Pass Pass Pass Pass Pass



Syst. Error 01/21 04/21 10/21 01/22 04/22 10/22 01/23 04/23 07/23 10/23
 Pass Pass Pass Pass Pass Pass Pass Pass Pass Pass
 Rand. Error Pass Pass Pass Pass Pass Pass Pass Pass Pass Pass



Serial #



Certificate #

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