



CALIBRATION CERTIFICATE

Certificate Number: F00G80Y3NX-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 N41235D

Model EPPENDORF STREAM / XSTREAM
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

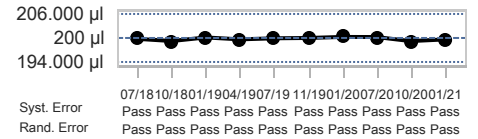
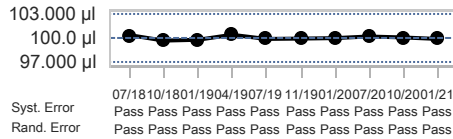
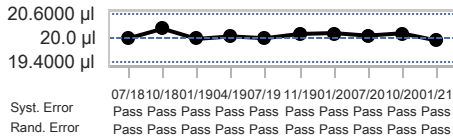
As left-Passed Steven Murray 08.Jan.2021

Conditions	Humidity	Start End 42.25 % 42.25 %	Air Temperature	Start End 19.41 °C 19.41 °C	Z-Factor	1.0028 µl/mg
	Air Pressure	1025.73 hPa 1025.73 hPa	Water Temperature	19.41 °C 19.41 °C		Evaporation
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
20.0 µl	19.8 mg	20.1 mg	20.2 mg	19.4 mg	19.9 mg
100.0 µl	99.6 mg	99.6 mg	99.1 mg	99.5 mg	100.2 mg
200 µl	199.1 mg	199.2 mg	198.8 mg	199.5 mg	198.7 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 (%)		
		20.0	19.94	-0.06	0.6000	-0.3217	3.0	0.31	0.6000		
100.0	99.9	-0.12	3.000	-0.1211	3.0	0.39	3.000	0.3953	3.0	1.1 µl (k=2.87)	Passed
200	199.62	-0.38	6.000	-0.1913	3.0	0.32	6.000	0.1612	3.0	0.94 µl (k=2.87)	Passed

As left History



Serial #



Certificate #

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