CALIBRATION CERTIFICATE

Certificate Number: F00G80Y3NX-0

Order Number: 222-380

2161.01

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

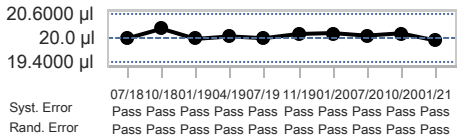
		Start | End		Start | End		
Conditions	**Humidity**	42.25 % | 42.25 %	**Air Temperature**	19.41 °C | 19.41 °C	**Z-Factor**	1.0028 µl/mg
	Air Pressure	1025.73 hPa | 1025.73 hPa	**Water Temperature**	19.41 °C | 19.41 °C	**Evaporation**	0 mg
Equipment	**Balance**	B442140901Next Cal. (31.Jul.2021)Readability (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

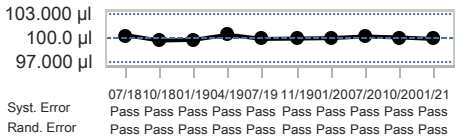
Test Volume (µl)	Weighings				
	1	2	3	4	5
20.0 µl	19.8 mg	20.1 mg	20.2 mg	19.4 mg	19.9 mg
100.0 µl	99.6 mg	99.6 mg	99.1 mg	99.5 mg	100.2 mg
200 µl	199.1 mg	199.2 mg	198.8 mg	199.5 mg	198.7 mg

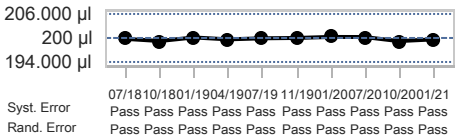
Results

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**	1.567	**3.0**	0.92 µl (k=2.87)	**Passed**
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