Certificate ID: F33811		<u>Certificate</u>	of Calibration	Quality Calibratic	uns, Inc.				
Device Details		Customer:	Sample Customer		-3				
Method: ISO Test Plan: Cata		Contact: Location: Address:	Sample On Site Street City State	119 Lawyers Row Centreville, MD 21617 Phone: 877-747-3883					
Environmental Factors		Calibration Date:	03-Oct-2023	Status:	Passed				
Air Temperature: Barometric Pressure: Relative Humidity: Liquid Density: Air Density: Z Factor:	21.20 °C e: 30.17 inHg 62 % 0.99795 0.00120 1.00311	Calibration Type:	Pipette Calibration	Next Due: Interval:	30-Apr-2024 6 months				
		Comment: No Adjustment necessary, 'As found' data serves as 'As left' data.							
Measurement Standards									

Serial Number

Sample Volumes

1

20.01

1

9.98

1

2.01

(µL)

2

19.97

2

9.95

2

2.05

3

19.95

3

10.01

3

2.02

B130181039

221461521

J623

Status

Passed

Status

Passed

Status

Passed

Precision %

0.500

Target

1.000

5.000

Actual Target Actual Target

Target Actual

0.121

0.262

Target Actual Target

1.000

2.000

0.923 10.000 1.186

Statement of	f Traceability
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Device ID

BALANCE

As Found

Ch 1

Ch 1

Ch 1

BAROMETER

THERMOMETER

20.0 uL Mean

10.0 uL Mean

2.0 uL Mean

Summary Statistics

19.99

9.98

2.02

SD

0.02

SD

0.03

SD

0.02

Description

DURAC

Unc. +/-

Unc. +/-

Unc. +/-

0.26

0.26

0.27

METTLER XS205DU

Accuracy %

Digital Barometer

0.070

Actual

0.231

Actual

This certificate has been issued in accordance with QCI SOP QACCRED and ISO 8655-2 Specifications. This statement certifies that this calibration has been performed with instruments and standards traceable to SI units through NIST or equivalent National Metrology Institute. This certificate shall not be reproduced except in full, without written approval of the laboratory. These results relate only to item calibrated and the results apply to sample as received. QCI uses a simple acceptance approach to the TUR. Customer is to determine if the TUR Accuracy ratio (ratio over uncertainty) is acceptable.



Measurement Uncertainties are determined using the factor of k=2 at a 95% confidence level.

Next Calibration

4

20.00

4

9.99

4

1.99

5

19.99

5

9.95

5

2.04

30-Jun-2024

19-Apr-2024

30-Jun-2026

	22			ISO 17025:2017 Certified CertificateAC 1347					
Completed by:	Judy Nissley		Date:	October 3, 2023					
Reviewed by:	Beverly Heiberger	A	Date:	October 6, 2023					
Certificate ID:	F33811					Page	1	of	1