



## Pipette Calibration Certificate 001193075

Customer: BRAZORIA COUNTY AUDITOR

3602 COUNTY ROAD 45

Serial No.: UJ05493
Equipment Type: PIPETTE

ANGLETON, TX 77515-9575

Work Order: 00130722LS-1

Contact: ALEIA WINTERS (aleiaw@brazoria-county.com)

Result: PASS Cal Date: 04/04/2024

Next Cal Date: 4/4/2025

Performed At: Allometric's Laboratory

Performed By: RJUHLIN

## TEST ENVIRONMENT DATA

Start: Air Temperature: 20.2 °C Water Temperature: 19.83 °C Humidity: 50.0 % Barometric Pressure: 1014 hPa Stop: Air Temperature: 20.3 °C Water Temperature: 19.86 °C Humidity: 50.0 % Barometric Pressure: 1014 hPa

## **TEST DATA**

	MICROMAN 1000 µl D2 - Variable Volume	
Channel: Accuracy Tol.: Precision Tol.: z-factor:	±12.0 µl	[1] [1]

[1]	ISO	8655	tolerances.
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	As Found Data		As	As Returned Data		
Test Volume	100 µl	500 μl	1000 µl	100 µl	500 µl	1000 µl
						<del></del>
Sample 1 (mg)	102.7	501.7	993.3	102.7	501.7	993.3
Sample 2 (mg)	103.0	503.3	995.3	103.0	503.3	995.3
Sample 3 (mg)	102.8	501.9	993.9	102.8	501.9	993.9
Sample 4 (mg)	103.2	500.1	993.4	103.2	500.1	993.4
Sample 5 (mg)	102.9	501.6	993.8	102.9	501.6	993.8
Sample 6 (mg)	102.3	500.6	993.7	102.3	500.6	993.7
Sample 7 (mg)	103.1	500.6	994.3	103.1	500.6	994.3
Sample 8 (mg)	102.9	502.4	994.8	102.9	502.4	994.8
Sample 9 (mg)	102.9	499.7	994.9	102.9	499.7	994.9
Sample 10 (mg)	102.5	502.3	994.8	102.5	502.3	994.8
Mean (mg)	102.8	501.4	994.2	102.8	501.4	994.2
Precision (µl)	0.271	1.138	0.697	0.271	1.138	0.697
V20 (µI)	103.1	502.8	997.0	103.1	502.8	997.0
Error (µI)	3.1	2.8	-3.0	3.1	2.8	-3.0
Result	Pass	Pass	Pass	Pass	Pass	Pass
Uncertanity k=2	±0.55 µl	± 2.3 µl	±1.4 µl	±0.55 μΙ	± 2.3 µl	±1.4 µI

TEST EQUIPMENT				
Description		<u>ID</u>	Serial Number	Cal. Due Date
LAB ENVIRONMENTAL MONITOR		1 <u>25</u> 1	73167	4/30/2025
WEIGHT SET / 10MG TO 50G		1616	401299390	3/31/2025
DIGITAL THERMOMETER		3013	192608473	4/30/2025
BALANCE / PIPETTE BALANCE		6050	T0102697	6/30/2024
Balance Model AND AD4212B-101	<u>Sensitivity</u> 101g x.1mg/31x.01/5.1x.001			

PROCEDURE				
Procedure Name	<u>Description</u>	<u>Revision Level</u>	Revision Date	
5-4WI06	PIPETTE CALIBRATION IAW ISO 8655-6	G	4/16/2021	

Inspections and measurements were performed in accordance with ISO 8655-6:2002(E) and ISO 17025. Pass/Fail status determination is derived from allowable tolerances established in ISO 8655 unless other tolerances are specifically requested by the client. If this is an accredited report, then our accredited logo will appear in the top right corner and the uncertainty associated with these measurements were determined using a coverage factor of k=2 and is not included in the determination of Pass/Fail status. This calibration is traceable to the SI through NIST or other NMI utilizing the equipment shown on the calibration certificate.

ACCEPTANCE OF THIS CERTIFICATION OR CALIBRATION DOCUMENT OR THE CONTINUED USE OF THE EQUIPMENT LISTED ON THIS DOCUMENT INDICATES AGREEMENT WITH ALLOMETRICS INC. TERMS AND CONDITIONS AS FOUND AT https://www.allometrics.com/terms-and-conditions/ and agreement that those conditions govern any transaction related to the certification, calibration, repair or use of any equipment listed on or associated with this document.

## **COMMENTS**

----- end report -----

Approved and Released by: Terry Baldwin, Quality Manager

Date of Issue: 04/04/2024