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ACCREDITED
CERT #2039.01

Pipette Calibration Certificate
001303731

Customer: BRAZORIA COUNTY AUDITOR
3602 COUNTY ROAD 45

ANGLETON, TX 77515-9575
Work Order: 00150588-2
Contact: ALEIA WINTERS (aleiaw@brazoria-county.com)

Asset ID: 041815
Serial No.: 041815
Equipment Type: PIPETTE

Result: PASS
Cal Date: 04/13/2026
Next Cal Date: 4/13/2027
Performed At: Allometric's Laboratory
Performed By: ITHOMPSON

TEST ENVIRONMENT DATA

Start:	Air Temperature: 20.7 °C	Water Temperature: 19.95 °C	Humidity: 50.0 %	Barometric Pressure: 1019 hPa
Stop:	Air Temperature: 20.7 °C	Water Temperature: 19.98 °C	Humidity: 50.0 %	Barometric Pressure: 1019 hPa

Manufacturer: HAMILTON
Model Number: 1708-36
Capacity: 100 µl
Type: A - Variable Volume
Channel: Single
Accuracy Tol.: ± 0.80 µl [1]
Precision Tol.: ± 0.30 µl [1]
z-factor: 1.00285 µl/mg

[1] ISO 8655 tolerances.

TEST DATA

	As Found Data			As Returned Data		
Test Volume	10 µl	50 µl	100 µl	10 µl	50 µl	100 µl
Sample 1 (mg)	9.72	49.93	99.68	9.72	49.93	99.68
Sample 2 (mg)	9.54	49.75	99.92	9.54	49.75	99.92
Sample 3 (mg)	9.87	49.64	99.72	9.87	49.64	99.72
Sample 4 (mg)	9.72	49.82	99.94	9.72	49.82	99.94
Sample 5 (mg)	9.65	49.72	100.13	9.65	49.72	100.13
Sample 6 (mg)	9.90	49.73	100.40	9.90	49.73	100.40
Sample 7 (mg)	9.85	49.60	100.35	9.85	49.60	100.35
Sample 8 (mg)	9.64	49.57	100.25	9.64	49.57	100.25
Sample 9 (mg)	9.82	49.71	99.90	9.82	49.71	99.90
Sample 10 (mg)	9.95	49.63	100.45	9.95	49.63	100.45
Mean (mg)	9.77	49.71	100.07	9.77	49.71	100.07
Precision (µl)	0.132	0.108	0.281	0.132	0.108	0.281
V20 (µl)	9.80	49.85	100.35	9.80	49.85	100.35
Error (µl)	-0.20	-0.15	0.35	-0.20	-0.15	0.35
Result	Pass	Pass	Pass	Pass	Pass	Pass
Uncertainty k=2	± 0.26 µl	± 0.22 µl	± 0.56 µl	± 0.26 µl	± 0.22 µl	± 0.56 µl

*Result: The decision rule used is Simple Acceptance as defined in ILAC G8 and ISO 8655-6.

TEST EQUIPMENT

Description	ID	Serial Number	Cal. Due Date
LAB ENVIRONMENTAL MONITOR	1251	73167	5/31/2027
WEIGHT SET / 10MG TO 50G	1616	401299390	4/30/2027
DIGITAL THERMOMETER	3013	192608473	4/30/2026
BALANCE / PIPETTE BALANCE	6050	T0102697	6/30/2026

Balance Model	Sensitivity
AND AD4212B-101	101g x.1mg/31x.01/5.1x.001

PROCEDURE

Procedure Name	Description	Revision Level	Revision Date
5-4WI06	PIPETTE CALIBRATION IAW ISO 8655-6	I	7/18/2025

Inspections and measurements were performed in accordance with ISO 8655-6:2002(E), and ISO 17025 where applicable. 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.

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COMMENTS

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

Approved and Released by: Terry Baldwin, Quality Manager
Date of Issue: 04/13/2026

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