Allometrics
when measurements matter
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ACCREDITED CERT #2039.01

PIPETTE Certification

001240027

Customer: BRAZORIA COUNTY AUDITOR
3602 COUNTY ROAD 45

ANGLETON, TX 77515-9575
Work Order: 00143741
Contact: ALEIA WINTERS
aleiaw@brazoria-county.com

Serial Number: 21M00530
Asset ID: 21M00530
Manufacturer: BRANDTECH
Model Number: BD-10

Test Result: **PASS**
Cal Date: 4/8/2025
Next Cal Date: 04/08/2026
Performed At: Allometrics Laboratory
Performed By: ITHOMPSON

Calibrations by Allometrics are performed in accordance with the principles of ISO 9001. Allometrics maintains a Quality Management System accredited to ISO/IEC 17025. The use of the Accrediting Body's logo is exclusive to calibrations where the contractual obligations meet the minimum requirements as specified by ILAC and A2LA. For additional information regarding Allometrics' accredited status visit the A2LA website and view scope 2039.01. This calibration is accredited.

The test standards utilized in this calibration have been tested and certified by an accredited calibration laboratory and are traceable to the SI through nationally and/or internationally recognized standards. Measurement uncertainty is expressed based on a coverage factor (*k*) equal to 2 for an approximately 95% level of confidence.

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.

TEST ENVIRONMENT

Air Temperature: 20.25 C
Water Temperature: 19.53 C
Barometric Pressure: 1019.1 hPa
Relative Humidity: 35.11 %

UUT CONFORMITY TEST DATA

	1 mL		5 mL		10 mL	
Description	As Found	As Left	As Found	As Left	As Found	As Left
Reading 1 (g)	0 .966	0 .966	5 .0173	5 .0173	9 .9479	9 .9479
Reading 2 (g)	0 .9613	0 .9613	5 .0159	5 .0159	9 .9473	9 .9473
Reading 3 (g)	0 .9762	0 .9762	5 .0152	5 .0152	9 .941	9 .941
Mean (g)	0 .9678	0 .9678	5 .0161	5 .0161	9 .9454	9 .9454
Loss Due to Evaporation (g)	0 .	0 .	0 .	0 .	0 .	0 .
Random Error (precision)(ml)	0 .0076	0 .0076	0 .0011	0 .0011	0 .0038	0 .0038
Max Permissable Random Error	0 .01	0 .01	0 .01	0 .01	0 .01	0 .01
Volume Delivered (ml)	**0 .9704**	**0 .9704**	**5 .0296**	**5 .0296**	**9 .9721**	**9 .9721**
Max Permissable Systematic Error	0 .03	0 .03	0 .03	0 .03	0 .03	0 .03
Systematic Error (ml)	-0.0296	-0.0296	0 .0296	0 .0296	-0.0279	-0.0279
Test Result	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**
Uncertainty (ml)	1.9E-02	1.9E-02	1.2E-02	1.2E-02	1.4E-02	1.4E-02

TEST EQUIPMENT

Description	ID	SERIAL NO.	Cal. Due Date
FLUKE/2456-LEM/LAB ENVIRONMENTAL MONITOR	1251	73167	4/30/2025
TRACEABLE/89369-138/DIGITAL THERMOMETER	3013	192608473	4/30/2025
A&D/AD4212B-PT/BALANCE / PIPETTE BALANCE	6000	T0101306	6/30/2025

Balance Information:

Make	Model	Serial Number	Capacity/Resolution
sartorius	mcm10k3	39301135	11000 g/0.001 g

PROCEDURE

Procedure Name	Descripton	Revision	Date
QWI 19-19	VOLUMETRIC TITRATOR AND BURETTE CALIBRATION	B.	3/3/2021

COMMENTS

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

Approved by / Date of Issue: Terry Baldwin / 08-Apr-2025

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