



## Pipette Calibration Certificate 001193033

Customer: BRAZORIA COUNTY AUDITOR 3602 COUNTY ROAD 45  ANGLETON, TX 77515-9575 Work Order: 00130722LS-1 Contact: ALEIA WINTERS (aleiaw@brazoria-county.com)	Asset ID: 23A35053 Serial No.: 23A35053 Equipment Type: PIPETTE	Result: <b>PASS</b> Cal Date: 04/04/2024 Next Cal Date: 4/4/2025 Performed At: Allometric's Laboratory Performed By: RJUHLIN
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### TEST ENVIRONMENT DATA

Start: Air Temperature: 20.2 °C	Water Temperature: 19.97 °C	Humidity: 50.0 %	Barometric Pressure: 1012 hPa
Stop: Air Temperature: 20.1 °C	Water Temperature: 19.93 °C	Humidity: 50.0 %	Barometric Pressure: 1013 hPa

### TEST DATA

Manufacturer: BRAND	
Model Number: TRANSFERPETT	
Capacity: 200 µl	
Type: A - Variable Volume	
Channel: Single	
Accuracy Tol.: ± 1.6 µl	[1]
Precision Tol.: ± 0.6 µl	[1]
z-factor: 1.00285 µl/mg	

[1] ISO 8655 tolerances.

Test Volume	As Found Data			As Returned Data		
	20 µl	100 µl	200 µl	20 µl	100 µl	200 µl
Sample 1 (mg)	20.6	99.3	199.9	20.6	99.3	199.9
Sample 2 (mg)	20.6	99.9	200.0	20.6	99.9	200.0
Sample 3 (mg)	20.7	99.9	198.7	20.7	99.9	198.7
Sample 4 (mg)	20.6	100.0	199.8	20.6	100.0	199.8
Sample 5 (mg)	20.6	100.0	200.0	20.6	100.0	200.0
Sample 6 (mg)	20.5	100.0	199.8	20.5	100.0	199.8
Sample 7 (mg)	20.6	99.9	199.8	20.6	99.9	199.8
Sample 8 (mg)	20.6	99.9	200.1	20.6	99.9	200.1
Sample 9 (mg)	20.7	100.1	199.3	20.7	100.1	199.3
Sample 10 (mg)	20.6	100.3	199.7	20.6	100.3	199.7
Mean (mg)	20.6	99.9	199.7	20.6	99.9	199.7
Precision (µl)	0.057	0.254	0.418	0.057	0.254	0.418
V20 (µl)	20.7	100.2	200.3	20.7	100.2	200.3
Error (µl)	0.7	0.2	0.3	0.7	0.2	0.3
Result	Pass	Pass	Pass	Pass	Pass	Pass
Uncertainty k=2	±0.14 µl	±0.51 µl	±0.89 µl	±0.14 µl	±0.51 µl	±0.89 µl

### TEST EQUIPMENT

Description	ID	Serial Number	Cal. Due Date
LAB ENVIRONMENTAL MONITOR	1251	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
<u>Balance Model</u> AND AD4212B-101	<u>Sensitivity</u> 101gx.1mg/31x.01/5.1x.001		

### PROCEDURE

Procedure Name	Description	Revision Level	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

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