



## Pipette Calibration Certificate 001193056

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: 22F03229 Serial No.: 22F03229 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
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------

### TEST ENVIRONMENT DATA

Start: Air Temperature: 20.3 °C	Water Temperature: 19.91 °C	Humidity: 50.0 %	Barometric Pressure: 1014 hPa
Stop: Air Temperature: 20.3 °C	Water Temperature: 19.85 °C	Humidity: 50.0 %	Barometric Pressure: 1014 hPa

### TEST DATA

Manufacturer: BRAND  
 Model Number: TRANSFERPETT  
 Capacity: 1000 µl  
 Type: A - Variable Volume  
 Channel: Single  
 Accuracy Tol.: ± 8.0 µl [1]  
 Precision Tol.: ± 3.0 µl [1]  
 z-factor: 1.00284 µl/mg

[1] ISO 8655 tolerances.

Test Volume	As Found Data			As Returned Data		
	100 µl	500 µl	1000 µl	100 µl	500 µl	1000 µl
Sample 1 (mg)	102.1	497.8	995.4	102.1	497.8	995.4
Sample 2 (mg)	101.9	497.3	996.0	101.9	497.3	996.0
Sample 3 (mg)	102.5	496.9	994.3	102.5	496.9	994.3
Sample 4 (mg)	102.0	498.7	994.6	102.0	498.7	994.6
Sample 5 (mg)	102.3	497.6	992.3	102.3	497.6	992.3
Sample 6 (mg)	102.4	497.9	995.2	102.4	497.9	995.2
Sample 7 (mg)	102.9	498.1	995.3	102.9	498.1	995.3
Sample 8 (mg)	102.3	498.2	994.1	102.3	498.2	994.1
Sample 9 (mg)	101.9	498.8	995.0	101.9	498.8	995.0
Sample 10 (mg)	102.3	498.1	994.9	102.3	498.1	994.9
Mean (mg)	102.3	497.9	994.7	102.3	497.9	994.7
Precision (µl)	0.306	0.583	1.012	0.306	0.583	1.012
V20 (µl)	102.6	499.3	997.5	102.6	499.3	997.5
Error (µl)	2.6	-0.7	-2.5	2.6	-0.7	-2.5
Result	Pass	Pass	Pass	Pass	Pass	Pass
Uncertainty k=2	± 0.62 µl	± 1.2 µl	± 2 µl	± 0.62 µl	± 1.2 µl	± 2 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>	<u>Sensitivity</u>		
AND AD4212B-101	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

This report applies only to the item calibrated. This report may not be reproduced, except in full, without the written consent from Allometrics, Inc. © 2024