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ACCREDITED
CERT #2039.01

# Pipette Calibration Certificate
## 001298907

Customer: BRAZORIA COUNTY AUDITOR
3602 COUNTY ROAD 45

ANGLETON, TX 77515-9575
Work Order: RP141346LS
Contact: ALEIA WINTERS (aleiaw@brazoria-county.com)

Asset ID: H44206L
Serial No.: H44206L
Equipment Type: PIPETTE

Result: PASS
Cal Date: 03/17/2026
Next Cal Date: 3/17/2027
Performed At: Allometric's Laboratory
Performed By: BPHELPS

TEST ENVIRONMENT DATA

| | | | | |
|---|---|---|---|---|
| Start: | Air Temperature: 20.6 °C | Water Temperature: 19.75 °C | Humidity: 50.0 % | Barometric Pressure: 1027 hPa |
| Stop: | Air Temperature: 20.6 °C | Water Temperature: 19.75 °C | Humidity: 50.0 % | Barometric Pressure: 1027 hPa |

Manufacturer: EPPENDORF
Model Number: REPEATER E3X
Capacity: 25 ml
Type: D2 - Variable Volume
Channel: Single
Accuracy Tol.: ± 300.0 µl [1]
Precision Tol.: ± 100.0 µl [1]
z-factor: 1.00281 µl/mg

[1] ISO 8655 tolerances.

TEST DATA

| | As Found Data | | | As Returned Data | | |
|---|---|---|---|---|---|---|
| Test Volume | 2.5 ml | 12.5 ml | 25 ml | 2.5 ml | 12.5 ml | 25 ml |
| Sample 1 (mg) | 2502.7 | 12459.2 | 24924.0 | 2502.7 | 12459.2 | 24924.0 |
| Sample 2 (mg) | 2495.0 | 12471.4 | 24944.8 | 2495.0 | 12471.4 | 24944.8 |
| Sample 3 (mg) | 2488.3 | 12465.1 | 24945.3 | 2488.3 | 12465.1 | 24945.3 |
| Sample 4 (mg) | 2496.0 | 12470.0 | 24945.3 | 2496.0 | 12470.0 | 24945.3 |
| Sample 5 (mg) | 2491.0 | 12458.8 | 24935.4 | 2491.0 | 12458.8 | 24935.4 |
| Sample 6 (mg) | 2488.9 | 12476.5 | 24945.9 | 2488.9 | 12476.5 | 24945.9 |
| Sample 7 (mg) | 2492.8 | 12458.0 | 24942.6 | 2492.8 | 12458.0 | 24942.6 |
| Sample 8 (mg) | 2497.0 | 12474.3 | 24944.7 | 2497.0 | 12474.3 | 24944.7 |
| Sample 9 (mg) | 2493.6 | 12460.8 | 24939.9 | 2493.6 | 12460.8 | 24939.9 |
| Sample 10 (mg) | 2503.2 | 12477.2 | 24941.5 | 2503.2 | 12477.2 | 24941.5 |
| Mean (mg) | 2494.9 | 12467.1 | 24940.9 | 2494.9 | 12467.1 | 24940.9 |
| Precision (µl) | 5.123 | 7.651 | 6.778 | 5.123 | 7.651 | 6.778 |
| V20 (µl) | 2501.8 | 12501.4 | 25009.5 | 2501.8 | 12501.4 | 25009.5 |
| Error (µl) | 1.8 | 1.4 | 9.5 | 1.8 | 1.4 | 9.5 |
| Result | Pass | Pass | Pass | Pass | Pass | Pass |
| Uncertainty k=2 | ± 10 µl | ± 10 µl | ± 10 µl | ± 10 µl | ± 10 µl | ± 10 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 | 5/31/2026 |
| DIGITAL THERMOMETER | 3013 | 192608473 | 4/30/2026 |
| BALANCE / PIPETTE BALANCE | 6050 | T0102697 | 3/31/2026 |

| 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: 03/17/2026

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