



# CERTIFICATE OF ACCREDITATION

**ANSI National Accreditation Board**

11617 Coldwater Road, Fort Wayne, IN 46845 USA

This is to certify that

**Pipette Repair Service, Inc.**  
**5324 Houndmaster Road**  
**Midlothian, VA 23112**

has been assessed by ANAB and meets the requirements of international standard

**ISO/IEC 17025:2017**

while demonstrating technical competence in the field of

**CALIBRATION**

Refer to the accompanying Scope of Accreditation for information regarding the types of activities to which this accreditation applies

AC-1405

Certificate Number

  
ANAB Approval

Certificate Valid Through: 08/06/2021  
Version No. 010 Issued: 08/05/2019



This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).



# ANSI National Accreditation Board

## SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

### Pipette Repair Service, Inc.

5324 Houndmaster Road,  
Midlothian, VA 23112  
Cathie Beavers  
804-739-3720

### CALIBRATION

Valid to: August 6, 2021

Certificate Number: AC-1405

#### Mass and Mass Related

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Pipettes	(0.5 to 2) $\mu\text{L}$	0.057 $\mu\text{L}$	Mettler-Toledo Precision Balance
	(2 to 10) $\mu\text{L}$	0.092 $\mu\text{L}$	
	(10 to 20) $\mu\text{L}$	0.12 $\mu\text{L}$	
	(20 to 100) $\mu\text{L}$	0.13 $\mu\text{L}$	
	(100 to 200) $\mu\text{L}$	0.79 $\mu\text{L}$	
	(200 to 1 000) $\mu\text{L}$	1.4 $\mu\text{L}$	
	(1 000 to 5 000) $\mu\text{L}$	3.1 $\mu\text{L}$	
Balances <sup>2</sup>	(5 000 to 10 000) $\mu\text{L}$	6.6 $\mu\text{L}$	ASTM Class 1 - 4 Weights
	Up to 2 g (0.000 1 mg)	0.003 3 mg	
	Up to 6 g (0.001 mg)	0.008 mg	
	Up to 20 g (0.001 mg)	0.011 mg	
	Up to 200 g (0.01 mg)	0.07 mg	
	Up to 1 000 g (0.1 mg)	0.13 mg	
	Up to 2 000 g (0.001 g)	2.1 mg	
	Up to 5 000 g (0.01 g)	13.7 mg	
Up to 60 000 g (0.01 g)	73.8 mg		

Calibration and Measurement Capability (CMC) is expressed in terms of the measurement parameter, measurement range, expanded uncertainty of measurement and reference standard, method, and/or equipment. The expanded uncertainty of measurement is expressed as the standard uncertainty of the measurement multiplied by a coverage factor of 2 ( $k=2$ ), corresponding to a confidence level of approximately 95%.

Notes:

1. On-site calibration service is available for this parameter, since on-site conditions are typically more variable than those in the laboratory, larger measurement uncertainties are expected on-site than what is reported on the accredited scope.
2. Range numbers in parentheses represent best scale resolutions.
3. This scope is formatted as part of a single document including Certificate of Accreditation No. AC-1405.



Vice President

