



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017
& ANSI/NCSL Z540-1-1994

AABBOTT-MICHELLI TECHNOLOGIES, INC.
15050 West Drive
Houston, TX 77053
Patrick Jester Phone: 281 437 2005

CALIBRATION

Valid until: November 30, 2020

Certificate Number: 5103.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following calibrations^{1,4}:

I. Mechanical

Parameter/Equipment	Range	CMC ² (±)	Comments
Scales and Balances ³	100 g	29 µg	Class 1 weights
	50 g	19 µg	
	30 g	12 µg	
	20 g	8.8 µg	
	10 g	7.0 µg	
	5 g	4.5 µg	
	3 g	2.8 µg	
	2 g	2.1 µg	
	1 g	1.7 µg	
	500 mg	0.94 µg	
	300 mg	1.3 µg	
	200 mg	0.67 µg	
	100 mg	0.90 µg	
	50 mg	1.2 µg	
	30 mg	1.7 µg	
	20 mg	0.99 µg	
	10 mg	1.1 µg	
	5 mg	0.83 µg	
	3 mg	1.7 µg	
	2 mg	0.60 µg	
1 mg	1.6 µg		

Parameter/Equipment	Range	CMC ² (±)	Comments
Scales and Balances ³ (cont)	453.6 kg (1000 lb)	6.3 g	Class F weights
	226.8 kg (500 lb)	4.7 g	
	22.7 kg (50 lb)	280 mg	
	11.34 kg (25 lb)	140 mg	
	9.07 kg (20 lb)	140 mg	
	2.27 kg (5 lb)	28 mg	
	0.46 kg (1 lb)	8.5 mg	
	0.23 kg (0.5 lb)	5.4 mg	
	0.09 kg (0.2 lb)	2.1 mg	
	0.045 kg (0.1 lb)	1.1 mg	
	0.02 kg (0.05 lb)	0.53 mg	
	9.07 g (0.02 lb)	0.21 mg	
	4.54 g (0.01 lb)	0.18 mg	
	2.27 g (0.005 lb)	0.15 mg	
	0.91 g (0.002 lb)	0.10 mg	
	0.45 g (0.001 lb)	0.083 mg	
	227 g (8 oz)	5.3 mg	
	113 g (4 oz)	2.7 mg	
	56.7 g (2 oz)	1.3 mg	
	14.17 g (1/2 oz)	0.25 mg	
	7.09 g (1/4 oz)	0.20 mg	
	3.54 g (1/8 oz)	0.15 mg	
	1.77 g (1/16 oz)	0.13 mg	
	25 kg	320 mg	
	20 kg	240 mg	
	5 kg	59 mg	
	2 kg	23 mg	
	1 kg	12 mg	
	500 g	8.4 mg	
	300 g	8.3 mg	
	200 g	4.7 mg	
	100 g	2.3 mg	
	50 g	1.2 mg	
	20 g	0.47 mg	
	10 g	0.23 mg	
	5 g	0.18 mg	
	2 g	0.13 mg	
	1 g	0.11 mg	
	500 mg	85 µg	Class F test cart
	200 mg	64 µg	
	100 mg	52 µg	
	50 mg	42 µg	
	20 mg	32 µg	
	10 mg	27 µg	
	5 mg	22 µg	
	2721 kg (6000 lb)	230 g	



¹ This laboratory offers commercial calibration service and field calibration service.

² Calibration and Measurement Capability Uncertainty (CMC) is the smallest uncertainty of measurement that a laboratory can achieve within its scope of accreditation when performing more or less routine calibrations of nearly ideal measurement standards or nearly ideal measuring equipment. CMCs represent expanded uncertainties expressed at approximately the 95 % level of confidence, usually using a coverage factor of $k = 2$. The actual measurement uncertainty of a specific calibration performed by the laboratory may be greater than the CMC due to the behavior of the customer's device and to influences from the circumstances of the specific calibration.

³ Field calibration service is available for this calibration and this laboratory meets A2LA *R104 – General Requirements: Accreditation of Field Testing and Field Calibration Laboratories* for these calibrations. Please note the actual measurement uncertainties achievable on a customer's site can normally be expected to be larger than the CMC found on the A2LA Scope. Allowance must be made for aspects such as the environment at the place of calibration and for other possible adverse effects such as those caused by transportation of the calibration equipment. The usual allowance for the actual uncertainty introduced by the item being calibrated, (e.g. resolution) must also be considered and this, on its own, could result in the actual measurement uncertainty achievable on a customer's site being larger than the CMC.

⁴ This scope meets A2LA's *P112 Flexible Scope Policy*.



Accredited Laboratory

A2LA has accredited

AABBOTT-MICHELLI TECHNOLOGIES, INC.

Houston, TX

for technical competence in the field of

Calibration

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This laboratory also meets the requirements of ANSI/NCSL Z540-1-1994 and R205 – *Specific Requirements: Calibration Laboratory Accreditation Program*. 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).



Presented this 1st day of October 2018.

A handwritten signature in black ink, written over a horizontal line.

President and CEO
For the Accreditation Council
Certificate Number 5103.01
Valid to November 30, 2020

For the calibrations to which this accreditation applies, please refer to the laboratory's Calibration Scope of Accreditation.