Accredited Laboratory

A2LA has accredited

THE SCALE PEOPLE INC., DBA THE LAB PEOPLE INC.

Columbia, MD

for technical competence in the field of

Calibration

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *General requirements for the competence of testing and calibration laboratories*. This laboratory also meets *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 8 January 2009*).

AMERICAN ASSOCIATION FOR LABORATORY ACCREDITATION
CORPORATE SEAL 1978
DISTRICT OF COLUMBIA
A2LA

Presented this 3rd day of October 2016.

Senior Director of Quality and Communications
For the Accreditation Council
Certificate Number 1452.01
Valid to December 31, 2018
Revised October 19, 2016

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

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

THE SCALE PEOPLE, Inc.,
dba THE LAB PEOPLE Inc.
9693-C Gerwig Lane
Columbia, MD 21046
Dean McIntee Phone: 410 309 5880

CALIBRATION

Valid To: December 31, 2018 Certificate Number: 1452.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory at the location listed above as well as the one satellite laboratory location listed below[1]:

I. Mechanical

Parameter/Equipment	Range	CMC[2] (±)	Comments
Analytical Balances[3]	2 g 2.1 g 3 g 6 g 30 g 200 g 230 g 400 g	0.043 mg 0.043 mg 0.043 mg 0.043 mg 0.093 mg 0.71 mg 0.25 mg 1.3 mg	Class 1 weights
Top Loader Balances[3]	620 g 6000 g 16 000 g 34 000 g 60 000 g 10 kg 64 kg 150 kg 300 kg	0.0040 mg 0.04 g 0.25 g 0.26 g 8 g 0.2 g 3.2 g 18 g 28 g	NIST Handbook 44 with Class 2 and F weights

Parameter/Equipment	Range	CMC[2] (±)	Comments
Torque[3]	(0 to 100) in·lbf (0 to 800) ft·lbf	0.014 in·lbf 0.094 ft·lbf	Momentum ARM torque calibration system
Force Measurement Devices[3] – Tension & Compression	250 gf 2 lbf 10 lbf 25 lbf 50 lbf 100 lbf 200 lbf 500 lbf 1000 lbf	0.12 gf 0.0012 lbf 0.0045 lbf 0.011 lbf 0.023 lbf 0.045 lbf 0.11 lbf 0.23 lbf 0.45 lbf	Class 2 weights Class F weights
Scales[3]	1 lb 2 lb 5 lb 10 lb 20 lb 50 lb 100 lb 250 lb 500 lb 1000 lb 2000 lb 5000 lb 10 000 lb 20 000 lb 50 000 lb	0.00029 lb 0.00050 lb 0.0013 lb 0.0034 lb 0.0050 lb 0.013 lb 0.023 lb 0.045 lb 0.13 lb 0.25 lb 0.50 lb 1.3 lb 2.5 lb 1.3 lb 11 lb	NIST Handbook 44 with Class F weights Maximum available load 6000 lb

Parameter/Equipment	Range	CMC[2] (±)	Comments
Pipettes[3]	0.5 µL 1 µL 2 µL 5 µL 10 µL 20 µL 50 µL 100 µL 200 µL 500 µL 1000 µL 2000 µL 5000 µL 10 000 µL	0.10 µL 0.08 µL 0.07 µL 0.07 µL 0.10 µL 0.15 µL 0.13 µL 0.26 µL 0.66 µL 0.64 µL 1.5 µL 1.4 µL 7.3 µL 7.2 µL	Gravimetric method

[1] This laboratory offers commercial calibration and field calibration services performed at the main laboratory listed above, and the following satellite laboratory listed below.

[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.

Satellite Facility
THE SCALE PEOPLE, Inc.,
dba THE LAB PEOPLE Inc.
708-H Gum Rock Court
Newport News, Virginia 23606
Dean McIntee Phone: 410 309 5880

I. Mechanical

Parameter/Equipment	Range	CMC[2] (±)	Comments
Analytical Balances[3]	2 g 2.1 g 3 g 6 g 30 g 200 g 230 g 400 g	0.043 mg 0.043 mg 0.043 mg 0.043 mg 0.093 mg 0.71 mg 0.25 mg 1.3 mg	Class 1 weights
Top Loader Balances[3]	620 g 6000 g 16 000 g 34 000 g 60 000 g 10 kg 64 kg 150 kg 300 kg	0.0040 mg 0.04 g 0.25 g 0.26 g 8 g 0.2 g 3.2 g 18 g 28 g	NIST Handbook 44 with Class 2 and F weights

Parameter/Equipment	Range	CMC[2] (±)	Comments
Torque[3]	(0 to 100) in·lbf (0 to 800) ft·lbf	0.014 in·lbf 0.094 ft·lbf	Momentum ARM torque calibration system
Force Measurement Devices[3] – Tension & Compression	250 gf 2 lbf 10 lbf 25 lbf 50 lbf 100 lbf 200 lbf 500 lbf 1000 lbf	0.12 gf 0.0012 lbf 0.0045 lbf 0.011 lbf 0.023 lbf 0.045 lbf 0.11 lbf 0.23 lbf 0.45 lbf	Class 2 weights Class F weights
Scales[3]	1 lb 2 lb 5 lb 10 lb 20 lb 50 lb 100 lb 250 lb 500 lb 1000 lb 2000 lb 5000 lb 10 000 lb 20 000 lb 50 000 lb	0.00029 lb 0.00050 lb 0.0013 lb 0.0034 lb 0.0050 lb 0.013 lb 0.023 lb 0.045 lb 0.13 lb 0.25 lb 0.50 lb 1.3 lb 2.5 lb 1.3 lb 11 lb	NIST Handbook 44 with Class F weights Maximum available load 6000 lb

Parameter/Equipment	Range	CMC[2] (±)	Comments
Pipettes[3]	0.5 µL 1 µL 2 µL 5 µL 10 µL 20 µL 50 µL 100 µL 200 µL 500 µL 1000 µL 2000 µL 5000 µL 10 000 µL	0.10 µL 0.08 µL 0.07 µL 0.07 µL 0.10 µL 0.15 µL 0.13 µL 0.26 µL 0.66 µL 0.64 µL 1.5 µL 1.4 µL 7.3 µL 7.2 µL	Gravimetric method

[1] This laboratory offers commercial calibration and field calibration services.

[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.