



World Class Accreditation

The American Association for Laboratory Accreditation

Accredited Laboratory

A2LA has accredited

ALLOMETRICS, INC.

Seabrook, TX

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 additional program requirements in the field of calibration. 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).

Presented this 27th day of April 2009.





Peter Meyer

President & CEO
For the Accreditation Council
Certificate Number 2039.01
Valid to April 30, 2011
Revised January 27, 2010

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

SCOPE OF ACCREDITATION TO ISO 17025:2005

ALLOMETRICS, INC.
 2500 Bayport Blvd.
 Seabrook TX. 77586
 Alan Cawley Phone: (281) 474-3329

CALIBRATION

Valid To: April 30, 2011

Certificate Number: 2039.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following calibrations¹:

I. Dimensional

Parameter/Equipment	Range	CMC ² (±)	Comments
Calipers ³	(0 to 12) in	780 µin	Kalmaster
Outside Micrometers ³	(0 to 3) in	72 µin	Gage blocks

II. Mechanical

Parameter/Equipment	Range	CMC ² (±)	Comments
Precision Scales ³	1 g to 150 kg (0.1 to 330) lb	0.058 g + 0.12 mg/g 0.13 mlb + 0.13 mlb/lb	Class 1 weights Class 6 weights (10 kg, 25 kg)
Micro Balances ³	1 mg to 5 g	0.012 mg + 0.0058 mg/g	Class 1 weights

Parameter/Equipment	Range	CMC ² (±)	Comments
Semi Micro Balances ³	1 mg to 210 g	0.013 mg + 0.003 mg/g	Class 1 weights
Analytical Balances ³	1 mg to 600 g	0.059 mg + 0.0028 mg/g	Class 1 weights
Toploading Balances ³	1 mg to 8200 g	0.58 mg + 0.29 µg/g	Class 1 weights
Extrusion Plastometers ³ – Dimensional Measurements			ASTM D1238
Cylinder Bore Diameter	(0 to 10) mm	5.3 µm	
Die Diameter	(0 to 3) mm	0.71 µm	
Piston Rod and Land Diameter, Land Length	(0 to 10) mm	2.7 µm	
Temperature	(80 to 370) °C	0.1 °C	
Load	100 g to 31.6 kg	0.1 % of nominal value	
Volumetric Apparatus – Pipettes ³	(1 to 1000) µL (1000 to 10 000) µL	0.12 µL 0.14 µL	Gravimetric method

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

² Calibration and Measurement Capability (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. Calibration and Measurement Capabilities 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.