# THE AMERICAN ASSOCIATION FOR LABORATORY ACCREDITATION

# ACCREDITED LABORATORY

A2LA has accredited

## RITE-WEIGHT, INC.

**Duluth, GA**

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* and any 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 18 June 2005*).

Presented this 9th day of January 2009.

President
For the Accreditation Council
Certificate Number 2040.01
Valid to February 28, 2011

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

RITE-WEIGHT, INC.
3802 Irvindale Road
Duluth, GA 30096
Walt J. Stoy III Phone: 770 476 8500

CALIBRATION

Valid To: February 28, 2011 Certificate Number: 2040.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following calibrations[1]:

I. Mechanical

| Parameter/Equipment | Range | Best Uncertainty[2] (±) | Comments |
|---|---|---|---|
| Balances – | | | |
| Micro | 1 mg to 20 g | 0.0095 mg | Class 1 weights |
| Semi-micro | Up to 200 g | 0.02 mg | |
| Analytical Balances | (40 to 400) g | 0.2 mg | Class 1 weights |
| Precision Balances | (400 to 1200) g<br>(1200 to 10 000) g<br>(10 000 to 64 000) g | 0.0012 g<br>0.008 g<br>0.12 g | Class 1, class 4 weights |
| Scales | (0.001 to 10) lb<br>(10 to 1000) lb | 0.00057 lb<br>0.058 lb | Class F weights |

[1] This laboratory offers commercial field calibration service only. 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 uncertainties achievable on a customer's site can normally be expected to be larger than the Best Measurement Capabilities (BMC) that the accredited laboratory has been assigned as Best Uncertainty 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 uncertainty introduced by the item being calibrated, (e.g. resolution) must also be considered and this, on its own, could result in the calibration uncertainty being larger than the BMC.

[2] "Best Uncertainty" 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 of nearly ideal measuring equipment. Best uncertainties represent expanded uncertainties expressed at approximately the 95 % level of confidence, usually using a coverage factor of $k = 2$. The best uncertainty of a specific calibration performed by the laboratory may be greater than the best uncertainty due to the behavior of the customer's device, to the environment and to influences from the circumstances of the specific calibration.