



THE AMERICAN ASSOCIATION FOR
LABORATORY ACCREDITATION

ACCREDITED LABORATORY

A2LA has accredited

RS CALIBRATION SERVICES, INC.

Pleasanton, CA

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 the requirements of ANSI/NCSL Z540-1-1994 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 13th day of May 2008.

A handwritten signature in cursive script, reading "Peter Abney".

President
For the Accreditation Council
Certificate Number 2220.01
Valid to April 30, 2010

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
& ANSI/NCSL Z540-1-1994

RS CALIBRATION SERVICES, INC.
1047 Serpentine Lane
Pleasanton, CA 94566
Mr. Ralph Sabiel Phone: 925 462 4217

CALIBRATION

Valid To: April 30, 2010

Certificate Number: 2220.01

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

I. Thermodynamics

Parameter/Equipment	Range	Best Uncertainty ² (±)	Comments
Humidity	(10 to 90) % RH	1.5 % RH	Thunder Scientific 2500 generator
Temperature – Direct Measurement by Comparison	-196 °C to 550 °C	0.045 °C	SPRT Hart Scientific 5699, superthermometer II, Hart Scientific 1590

II. Fluid Quantities

Parameter/Equipment	Range	Best Uncertainty ² (±)	Comments
Air Flow Rate	(5.0 to 500) sccm	0.48 % of rdg	Sierra Instruments primary gas flow calibrator cal=trak SL-500 cal=trak-10

Parameter/Equipment	Range	Best Uncertainty ² (±)	Comments
Air Flow Rate (cont.)	(500 sccm to 50 slm)	0.48 % of rdg	Sierra Instruments primary gas flow calibrator cal=trak SL-500 cal=trak-44

¹ This laboratory offers commercial calibration service.

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 and to influences from the circumstances of the specific calibration.