

SCOTT[™] Acrolein Calibration Standards

For Air Toxics Monitoring Applications



Certified mixtures in 10 ppb to 1% concentrations

Acrolein is a strong pulmonary and dermal irritant, and a suspected human carcinogen produced by burning gasoline, oil, coal, tobacco and other sources. It is one of numerous targeted Hazardous Air Pollutants (HAPs) monitored by U.S. EPA's National Air Toxics Trends Stations (NATTS). A range of standard concentrations are available. Accuracy and shelf life vary, depending on concentration. Now also available in Method TO-14 plus (45-component standard) and Method TO-15 New Jersey low level mixture. Custom acrolein blends with other components are available.

Benefits and Features

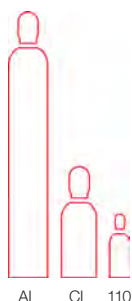
- Engineered and manufactured by Team SCOTT[™] for reliability and accurate instrument calibration
- Guaranteed analytical accuracy to $\pm 2\%$ with up to 12 month stability
- Available in small, lightweight high-pressure cylinders for portability in the field in addition to larger size cylinders
- Certification expiration email alerts eliminate accidental use of expired cylinders
- Online Certificates of Accuracy and MSDS help streamline record keeping

SCOTT™ Acrolein Calibration Standards

For Air Toxics Monitoring Applications

Air Monitoring Product Line

Team SCOTT at Air Liquide produces highly specialized gases for all types of air monitoring applications. In addition to commonly used toxic organic calibration standards and mixtures for monitoring volatile organic compounds (VOCs), we also manufacture formaldehyde standards as well as a diverse range of products for monitoring Hazardous Air Pollutants (HAPs) and Toxic Industrial Chemicals (TICs). Air Liquide is the world's largest producer of EPA protocols, an industry leader in the supply of other calibration gases for Continuous Emission Monitors (CEMs), and the sole producer of candidate gaseous Standard Reference Materials (SRMs) for the National Institute of Standards and Technology (NIST).



Cylinder Size	Liters (cu.ft.)	Diameter x Height
AL	3,965 (140)	8" x 53"
CL	793 (28)	6.9" x 21"
SCOTTY® 110	110 (3.8)	3.25" x 11.625"

Volumes are based on a nominal cylinder pressure of 2000 psig for AL and CL cylinders and 1800 psig for SCOTTY 110 cylinders. An acrolein gas mixture with a nominal concentration exceeding 800 ppm will be vapor pressure restricted, directly impacting the volume of gas contained in the cylinder.

Concentration Range (balance Nitrogen)	Blend Tolerance	Accuracy	Shelf Life
10 ppm – 1%	±5%	±2%	12 months
1 ppm – 9.9 ppm	±10%	±5%	12 months
100 ppb – 999 ppb	±20%	±10%	6 months
10 ppb – 99 ppb	±20%	±10%	6 months

SCOTT Toxic Organic Mixtures

We also offer SCOTT Toxic Organic mixtures for accurate instrument calibration when measuring volatile and semi-volatile organic compounds in ambient air. SCOTT TO mixtures comply with U.S. EPA and all state mandated methods and feature guaranteed accuracy and blend tolerance of all components. Lead time for these products is 10 working days or less.

TO-14 Standards: Certified 39, 41 and 43-component TO-14 mixtures in standard concentrations of 1 ppm and 100 ppb. Subsets and custom blended mixtures also available.

TO-15/17 Standards: Certified 62-component TO-15/17 mixtures in standard concentrations of 1 ppm and 100 ppb. Subsets and custom blended mixtures also available.

Discuss your air monitoring needs with an Air Liquide air monitoring specialist today. Call our Solutions Center toll-free at 800-217-2688 or send an email to vocsales@scottgas.com.



Founded in 1902, Air Liquide is the world leader in industrial and medical specialty gases and related services, providing innovative solutions for the manufacture of everyday products and for the protection of life.

NOTE: This brochure is intended for general information purposes only and is not intended as a representation or warranty of any kind, or as a statement of any terms or condition of sale. The information herein is believed to be correct, but is not warranted for correctness or completeness or for applicability to any particular customer or situation.

SCOTT is a trademark of the Air Liquide Group. ©2008 Air Liquide America Specialty Gases LLC



Model 58RCS High-Purity ChangeOver System



Model 215 Stainless Steel Two-Stage Regulator

Air Liquide also offers an extensive portfolio of SCOTT high-performance equipment and accessories designed to provide safe, efficient delivery of noncorrosive, corrosive and toxic gases. All SCOTT equipment may be purchased online at www.scottgas.com. Most items are in stock and available for same-day shipping.



Air Liquide America Specialty Gases LLC
 6141 Easton Road
 Box 310
 Plumsteadville, PA 18949
 Phone: 800-217-2688
 Fax: 215-766-2476
 Email: solutions@scottgas.com
www.scottgas.com www.airliquide.com