TO-14 Gas Standards

These high pressure, transportable gas calibration blends for US EPA Method TO-14 ensure that laboratories can perform Method TO-14 and Clean Air Act analyses at a fraction of their former costs. These blends are available only through Supelco.

Scott TO-14 gas blends are packaged in SCOTTY® HP high pressure, transportable, laboratory-size cylinders. A SCOTTY HP cylinder measures only 12¼” high and 3¼” in diameter (31 cm x 8.3 cm), but contains 104 liters of gas at 1800 psi – enough gas to deliver adequate calibration for 80 or more uses. These products provide the reliability and performance of high pressure gas mixes without the maintenance and safety problems associated with large high pressure cylinders. SCOTTY HP cylinders are equipped with CGA 110/180 fittings, to plumb directly to your gas sampling system or through an appropriate regulator.

Scott TO-14 gas calibration blends are traceable to NIST reference mixtures (NIST SRM 1804), and are certified by Scott Gases for superior stability and accuracy.

Four blends are available. All products contain 100 ppb each analyte in nitrogen.

Ordering Information:
Gas Calibration Blends

**TO-14 Calibration Mix 1**
100 ppb each component in nitrogen.

- Benzene
- Bromomethane
- Carbon tetrachloride
- Chlorobenzene
- Chloroform
- Chloromethane
- 1,2-Dibromoethane
- 1,2-Dichlorobenzene
- 1,3-Dichlorobenzene
- 1,4-Dichlorobenzene
- 1,1-Dichloroethane
- 1,2-Dichloroethene
- cis-1,2-Dichloroethene
- 1,2-Dichloropropane
- cis-1,3-Dichloropropene
- trans-1,3-Dichloropropene
- Ethyl chloride
- Ethylbenzene
- Halocarbon 11

**SCOTTY HP cylinder** 41900-U

Ordering information continued on reverse side of this sheet.
TO-14 Chlorinated Hydrocarbons Subset Mix
100 ppb each component in nitrogen.

- Carbon tetrachloride
- Chloroform
- Chloromethane
- 1,1-Dichloroethane
- 1,2-Dichloroethane
- 1,1-Dichloroethene
- cis-1,2-Dichloroethene
- 1,2-Dichloropropane
cis-1,3-Dichloropropane
- trans-1,3-Dichloropropane

SCOTTY HP cylinder 41902

TO-14 CFC/HCFC Subset Mix
100 ppb each component in nitrogen.

- Halocarbon 11
- Halocarbon 12

SCOTTY HP cylinder 41903

TO-14 Aromatics Subset Mix
100 ppb each component in nitrogen.

- Benzene
- Chlorobenzene
- 1,2-Dichlorobenzene
- 1,3-Dichlorobenzene
- 1,4-Dichlorobenzene
- Ethylbenzene
- Styrene

SCOTTY HP cylinder 41901

TO-14 Reactive Subset Mix
100 ppb each component in nitrogen.

- 1,3-Butadiene
- 3-Chloropropene

SCOTTY HP cylinder 41911

TO-14 GC/MS Tuning Standard
2 ppm bromofluorobenzene in nitrogen.

SCOTTY HP cylinder 41913

Accessories For Use with SCOTTY HP Cylinders

- Model 6 Series Regulator with Gauge
  Accepts inlet pressures up to 4000 psig. 501115

- Model 26 Pressure Regulator with Gauge
  For use with Scotty HP cylinders, plus high pressure gauge. 41910-U

- High Pressure Gauge
  For use with Model 26 regulator. 41908

- Stand
  Ensures your SCOTTY HP cylinder will be stable on a benchtop or
  other surface. 41909

For expert answers to your questions contact our Technical Service Department:
Phone 800-359-3041, 814-359-3041
Fax 800-359-3044, 814-359-5468
E-mail techservice@sial.com

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