

Product Information

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	Halocarbon 12
Bromomethane	Halocarbon 113
Carbon tetrachloride	Halocarbon 114
Chlorobenzene	Hexachloro-1,3-butadiene
Chloroform	Methylene chloride
Chloromethane	Styrene
1,2-Dibromoethane	1,1,2,2-Tetrachloroethane
1,2-Dichlorobenzene	Tetrachloroethene
1,3-Dichlorobenzene	Toluene
1,4-Dichlorobenzene	1,2,4-Trichlorobenzene
1,1-Dichloroethane	1,1,1-Trichloroethane
1,2-Dichloroethane	1,1,2-Trichloroethane
1,1-Dichloroethene	Trichloroethene
cis-1,2-Dichloroethene	1,2,4-Trimethylbenzene
1,2-Dichloropropane	1,3,5-Trimethylbenzene
cis-1,3-Dichloropropene	Vinyl chloride
trans-1,3-Dichloropropene	m-Xylene
Ethyl chloride	o-Xylene
Ethylbenzene	p-Xylene
Halocarbon 11	

41900-U

Ordering information continued on reverse side of this sheet.



997-0047

TO-14 Chlorinated Hydrocarbons Subset Mix

100 ppb each component in nitrogen.

Carbon tetrachloride	Ethyl chloride
Chloroform	Hexachloro-1,3-butadiene
Chloromethane	Methylene chloride
1,1-Dichloroethane	Tetrachloroethene
1,2-Dichloroethane	1,1,2,2-Tetrachloroethane
1,1-Dichloroethene	1,1,1-Trichloroethane
cis-1,2-Dichloroethene	1,1,2-Trichloroethane
1,2-Dichloropropane	Trichloroethene
cis-1,3-Dichloropropene	Vinyl chloride
trans-1,3-Dichloropropene	
SCOTTY HP cylinder	41902

TO-14 CFC/HCFC Subset Mix

100 ppb each component in nitrogen.

Halocarbon 11	Halocarbon 113
Halocarbon 12	Halocarbon 114
SCOTTY HP cylinder	41903

TO-14 Aromatics Subset Mix

100 ppb each component in nitrogen.

Benzene	Toluene
Chlorobenzene	1,2,4-Trichlorobenzene
1,2-Dichlorobenzene	1,2,4-Trimethylbenzene
1,3-Dichlorobenzene	1,3,5-Trimethylbenzene
1,4-Dichlorobenzene	m-Xylene
Ethylbenzene	o-Xylene
Styrene	p-Xylene
SCOTTY HP cylinder	41901

TO-14 Reactive Subset Mix

100 ppb each component in nitrogen.

1,3-Butadiene	4-Ethyltoluene
3-Chloropropene	
SCOTTY HP cylinder	41911

TO-14 GC/MS Tuning Standard

2 ppm bromofluorobenzene in nitrogen.

SCOTTY HP cylinder	41913
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Accessories For Use with SCOTTY HP Cylinders**41910-U**

994-0243

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

SCOTTY is a registered trademark of Scott Specialty Gases, Inc.

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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