Now with

Naphthalene!



TO-14A/TO-15/TO-17 Performance Test Standard

Restek is pleased to offer the Performance Testing/VOC Audit Sample Program in cooperation with Spectra/Linde. This is an on-going testing program in which laboratories, and/or other users of VOC standards, are able to evaluate their own capabilities, as well as compare their results and accuracy against other laboratories. As a participant in the program, you will receive a disposable cylinder, directly from Spectra/Linde, containing

cylinder design

Performance Test Standard

Size: 5A disposable (3.2" x 12") Volume/Pressure: 150L @ 1,800 psig CGA 180 outlet fitting Weight: 2.2 lbs

multiple unknown TO-14A/TO-15 components at varying concentrations that are to be identified, quantified, and reported via the Spectra/Linde P-T Audit Program forms. The results will be published and distributed for peer review. To ensure confidentiality, all participating laboratories will be anonymous, and only the individual laboratory will know their own results. To provide statistical analysis, the audit sample will be shipped to all laboratories at the same time, once a year during the fourth quarter. 150 liters @ 1,800psig

cat. # 34560 (ea.) \$1040

BTEX Gas Mix (6 components)

benzene m-xylene ethylbenzene o-xylene p-xylene

1ppm in nitrogen, 104 liters @ 1,800psi

cat. # 34414 (ea.)

1ppm in nitrogen, 110 liters @ 1,800psi (Pi-marked Cylinder)

cat. # 34414-PI (ea.)

100ppb in nitrogen, 104 liters @ 1,800psi

cat. # 34428 (ea.)

100ppb in nitrogen, 110 liters @ 1,800psi (Pi-marked Cylinder)

cat. # 34428-PI (ea.)

BTEX and MTBE Gas Mix (7 components)

benzene m-xylene ethylbenzene o-xylene methyl tert-butyl ether (MTBE) p-xylene toluene

1ppm in nitrogen, 104 liters @ 1,800psi

cat. # 34541 (ea.)

1ppm in nitrogen, 110 liters @ 1,800psi (Pi-marked Cylinder)

cat. # 34541-PI (ea.)

100ppb in nitrogen, 104 liters @ 1,800psi

cat. # 34542 (ea.)

100ppb in nitrogen, 110 liters @ 1,800psi (Pi-marked Cylinder)

cat. # 34542-PI (ea.)



Higher Concentration = MORE STANDARD for your money!

please **note**

Gas standards are subject to hazardous materials shipping fees by most freight carriers. All calibration gas standards are nonreturnable due to DOT hazardous shipping requirements.

Sulfur 5-Component Mix (5 components)

12-month stability. +/- 10% accuracy.

carbonyl sulfide hydrogen sulfide dimethyl sulfide methyl mercaptan

ethyl mercaptan

1ppm in nitrogen, 110 liters @ 1,800psi

cat. # 34561 (ea.)

1ppm in nitrogen, 110 liters @ 1,800psi (Pi-marked Cylinder)

cat. # 34561-PI (ea.)

Massachusetts APH Mix (26 components)

benzene p-isopropyltoluene methyl tert-butyl ether 1.3-butadiene 1-methyl-3-ethylbenzene butylcyclohexane cyclohexane naphthalene n-decane *n*-nonane 2,3-dimethylheptane n-octane 2,3-dimethylpentane toluene *n*-dodecane 1,2,3-trimethylbenzene

ethylbenzene 1,3,5-trimethylbenzene *n*-heptane n-undecane o-xylene n-hexane

isopentane isopropylbenzene

1ppm in nitrogen, 104 liters @ 1,800psi

cat. # 34540 (ea.)

m/p-xylene (combined)

140-450ppb in nitrogen, 90 liters @ 1,500psig (Pi-marked Cylinder)

cat. # 34540-PI (ea.)

Japan Calibration Mix (9 components)

acrylonitrile dichloromethane henzene tetrachloroethylene 1.3-butadiene trichloroethylene chloroform vinvl chloride

1,2-dichloroethane

1ppm in nitrogen, 104 liters @ 1,800psi

cat. # 34418 (ea.)

1ppm in nitrogen, 110 liters @ 1,800psi (Pi-marked Cylinder)

cat. # 34418-PI (ea.)

cylinder **design**

Spectra (Linde) 104L Cylinders:

Aluminum construction Size: 8 x 24 cm Volume/Pressure: 104 liters of gas @ 1,800 psi CGA-180 outlet fitting. Weight: 1.5 lbs/0.7 kg

See page 433 for regulators.

Scotty (Air Liquide) 110L Cylinders (Pi-marked Cylinders for **EU Regulations):**

Aluminum construction Size: 8.3 x 29.5 cm Volume/Pressure: 110 liters of gas @ 1,800 psi CGA-180 outlet fitting. Weight: 2.2 lbs/1 kg

US DOT Specs: 3AL2216

did you know?

Pi-marked Gas Cylinders for EU Countries

Our Pi-marked gas standards from Scott/Air Liquide meet the requirements of the Transportable Pressure Equipment Directive (TPED) implemented in 2001 that regulates the safe transport of pressurized containers used throughout the European community.

Custom Gas Calibration **Standards Quote**

www.restek.com/customgas







www.restek.com

429

Mar 2011