

Ultra Low & Low Sulfur in Diesel Fuel Calibration Standards for On-line Analyzers

DCG offers Ultra Low & Low Sulfur in Diesel Fuel Calibration Standards. All standards in addition to being gravimetrically prepared and N.I.S.T. Traceable by weight are verified by one or more analytical methods. Custom standards are available upon request.

Calibration Standards in Cylinders

Cylinder size AL 30 with Stainless Steel CGA 510 valve with full length eductor tube and re-pressurizing port holds 5 lbs. (2.74 liters) of liquid and through the use of the re-pressurizing port a constant pressure pad can be applied. The cylinders are specially treated to assure a stable sulfur value and may be rented or purchased at time of order.

- Diesel Fuel Blank with a 40 psig Helium pressure pad in AL 30 cylinder: \$600.00*
- ≥ 1 w/w ppm Total Sulfur from Di-N-Butyl Sulfide in Diesel Fuel Calibration Standard with a 40 psig Helium pressure pad in AL 30 cylinder: \$1,700.00*

Accessories

- Regulator model: 402-2301-580. This is a single stage brass barstock body regulator used to apply the pressure pad to the calibration standard. It has a 0-100 psig outlet pressure and a 0-4000 psig inlet pressure. It also comes with a CGA 580 nut and nipple to connect to a helium or nitrogen cylinder to provide the constant pressure pad. For more information on DCG specialty gas regulators see the regulator section on our web site at www.dcgpartnership.com.
- Stainless Steel CGA 510 nut and nipple to connect to the cylinder valve for liquid withdrawal.
- $\frac{1}{4}$ " flare x $\frac{1}{8}$ " compression fitting to attach to the re-pressurizing port to maintain a constant pressure pad on the calibration standard.

Cylinder size AL 150 with Stainless Steel CGA 510 valve with full length eductor tube and re-pressurizing port holds 15 lbs. (8.22 liters) of liquid and through the use of the re-pressurizing port a constant pressure pad can be applied. The cylinders are specially treated to assure a stable sulfur value and may be rented or purchased at time of order.

- Diesel Fuel Blank with a 40 psig Helium pressure pad in AL 150 cylinder: \$800.00*
- ≥ 1 w/w ppm Total Sulfur from Di-N-Butyl Sulfide in Diesel Fuel Calibration Standard with a 40 psig Helium pressure pad in AL 150 cylinder: \$2,700.00*



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Chromatographic Reference Materials



Accessories

- Regulator model: 402-2301-580. This is a single stage brass barstock body regulator used to apply the pressure pad to the calibration standard. It has a 0-100 psig outlet pressure and a 0-4000 psig inlet pressure. It also comes with a CGA 580 nut and nipple to connect to a helium or nitrogen cylinder to provide the constant pressure pad. For more information on DCG specialty gas regulators see the regulator section on our web site at www.dcgpartnership.com.
- Stainless Steel CGA 510 nut and nipple to connect to the cylinder valve for liquid withdrawal.
- 1/4" flare x 1/8" compression fitting to attach to the re-pressurizing port to maintain a constant pressure pad on the calibration standard.

Calibration Standards in Bottles

One-liter amber bottle containing Diesel Blank: \$400.00

One-liter amber bottle containing: ≥ 1 w/w ppm Total Sulfur from Di-N-Butyl Sulfide in Diesel Fuel Calibration Standard: \$650.00

Two-liter amber bottle containing: ≥ 1 w/w ppm Total Sulfur from Di-N-Butyl Sulfide in Diesel Fuel Calibration Standard: \$1,100.00

Customer Owned Cylinders & Sample Cylinders

DCG will fill customer owned cylinders & sample cylinders as long as they meet DOT requirements. These cylinders must be empty and clean and not have contained carcinogens or toxic chemicals. If these cylinders have been in previous service please let your DCG Technical Specialist know what service they have been in. The DCG Specialist will advise if the cylinders are acceptable for fill.

In addition, DCG will provide the following with each standard:

1. Analytical results of each standard run by ASTM method for total sulfur
2. Density of the diesel fuel matrix of the standard
3. N.I.S.T. traceability for gravimetric standards
4. Uncertainty for gravimetric standards

* Price excludes cylinder

Prices are subject to change

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