

# Petroleum Standards

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These petroleum standards are gravimetrically prepared, NIST-traceable by weight, and verified by one or more analytical methods.

### Sulfur Simulated Distillation Standard

#### Sulfur Simulated Distillation Standard (SSDS)

30 ppm total sulfur by weight from ethanethiol  
 60 ppm total sulfur by weight from 1-propanethiol  
 30 ppm total sulfur by weight from 1-butanethiol  
 60 ppm total sulfur by weight from 1-pentanethiol  
 30 ppm total sulfur by weight from 1-hexanethiol  
 60 ppm total sulfur by weight from 1-heptanethiol  
 30 ppm total sulfur by weight from 3,5-dimethylbenzenethiol  
 60 ppm total sulfur by weight from 1-octanethiol  
 30 ppm total sulfur by weight from 1-nonanethiol  
 60 ppm total sulfur by weight from 1-decanethiol  
 30 ppm total sulfur by weight from 1-pentadecanethiol  
 60 ppm total sulfur by weight from 1-hexadecanethiol  
 30 ppm total sulfur by weight from 1-octadecanethiol  
 Balance: toluene/isooctane 1/15  
 1mL pre-scored amber ampul.

cat. # 33049 (ea.)

Quantity discounts not available.

### Speciated Sulfur System Suitability Checkout Standard

#### Speciated Sulfur System Suitability Checkout Standard (SSSSCS)

0.50 ppm total sulfur by weight from dimethylsulfide  
 35.0 ppm total sulfur by weight from tertiary butyl mercaptan  
 50.0 ppm total sulfur by weight from thiopene  
 15.0 ppm total sulfur by weight from dimethyl disulfide  
 25.0 ppm total sulfur by weight from benzothiopene  
 Balance: isooctane

1mL pre-scored amber ampul.

cat. # 33050 (ea.)

Quantity discounts not available.

## EPA Ultra Low & Low Sulfur Diesel Standards and Samples in Diesel Fuel to Meet EPA Requirements for Lab Qualification

### EPA Ultra Low Sulfur Diesel Precision Sample # 1

EPA Section 80.580-80.585 Title 40, Chapter 1, Part 80

Homogenous commercially available diesel fuel with sulfur content of 5-15 ppm.  
 1 x 200mL amber bottle.

cat. # 33051 (ea.)

Quantity discounts not available.

### EPA Low Sulfur Diesel Precision Sample # 2

EPA Section 80.580-80.585 Title 40, Chapter 1, Part 80

Homogenous commercially available diesel fuel with sulfur content of 200-500 ppm.  
 1 x 200mL amber bottle.

cat. # 33052 (ea.)

Quantity discounts not available.

### EPA Ultra Low Sulfur Diesel Accuracy Standard # 1

EPA Section 80.520(a)(1) and 80.510(b)

1-10 ppm total sulfur in a diesel fuel matrix for motor vehicle diesel and diesel additives subject to the 15 ppm sulfur standard.  
 1 x 200mL amber bottle.

cat. # 33053 (ea.)

Quantity discounts not available.

### EPA Ultra Low Sulfur Diesel Accuracy Standard # 2

EPA Section 80.520(a)(1) and 80.510(b)

10-20 ppm total sulfur in a diesel fuel matrix for motor vehicle diesel and diesel additives subject to the 15 ppm sulfur standard.  
 1 x 200mL amber bottle.

cat. # 33054 (ea.)

Quantity discounts not available.

### EPA Low Sulfur Diesel Accuracy Standard # 3

EPA Section 80.520(c) and 80.510(c)

100-200 ppm total sulfur in a diesel fuel matrix for motor vehicle diesel and diesel additives subject to the 500 ppm sulfur standard.  
 1 x 200mL amber bottle.

cat. # 33055 (ea.)

Quantity discounts not available.

### EPA Low Sulfur Diesel Accuracy Standard # 4

EPA Section 80.520(c) and 80.510(c)

400-500 ppm total sulfur in a diesel fuel matrix for motor vehicle diesel and diesel additives subject to the 500 ppm sulfur standard.  
 1 x 200mL amber bottle.

cat. # 33056 (ea.)

Quantity discounts not available.

## also available

Custom ULSD and LSD calibration standards are also available in 100mL, 200mL, 500mL, and 1 liter bottles.

Call our Analytical Reference Department at 800-356-1688 or 814-353-1300, or your Restek representative for details.

**Gas Calibration Standards**

**Regulators available too!**  
See pages 433-434

See pages 427-432 or visit [www.restek.com/air](http://www.restek.com/air)