

Biomarker Focus

Sulphur Standards

Sulfur in mineral oil or isooctane

Chiron offers a range of sulfur standards for oil/petroleum analysis.

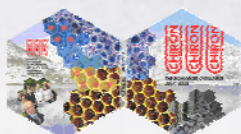
The “Sulphur in Mineral Oil” line is universal sulphur standards made from high purity sulphur-organic compounds and sulphur-depleted mineral oil or isooctane.

Useful for ASTM methods D 2622, D 3120, D 3246, D 4294, D 4927, and D 5453

Chiron offers

| Concentration ppm | Isooctane | Light Mineral Oil 20 cst | Heavy Mineral Oil 70 cst |
|-------------------|-------------|--------------------------|--------------------------|
| Blanc | S-4050-0 | S-4052-0 | S-4051-0 |
| 1 | S-4050-1 | S-4052-1 | S-4051-1 |
| 2 | S-4050-2 | S-4052-2 | S-4051-2 |
| 3 | S-4050-3 | S-4052-3 | S-4051-2 |
| 5 | S-4050-5 | S-4052-5 | S-4051-5 |
| 10 | S-4050-10 | S-4052-10 | S-4051-10 |
| 20 | S-4050-20 | S-4052-20 | S-4051-20 |
| 30 | S-4050-30 | S-4052-30 | S-4051-30 |
| 50 | S-4050-50 | S-4052-50 | S-4051-50 |
| 75 | S-4050-75 | S-4052-75 | S-4051-75 |
| 100 | S-4050-100 | S-4052-100 | S-4051-100 |
| 200 | S-4050-200 | S-4052-200 | S-4051-200 |
| 250 | S-4050-250 | S-4052-250 | S-4051-250 |
| 300 | S-4050-300 | S-4052-300 | S-4051-300 |
| 400 | S-4050-400 | S-4052-400 | S-4051-400 |
| 500 | S-4050-500 | S-4052-500 | S-4051-500 |
| 750 | S-4050-750 | S-4052-750 | S-4051-750 |
| 1 000 | S-4050-K | S-4052-K | S-4051-K |
| 2 000 | S-4050-2K | S-4052-2K | S-4051-2K |
| 2 500 | S-4050-2.5K | S-4052-2.5K | S-4051-2.5K |
| 3 000 | S-4050-3K | S-4052-3K | S-4051-3K |
| 4 000 | S-4050-4K | S-4052-4K | S-4051-4K |
| 5 000 | S-4050-5K | S-4052-5K | S-4051-5K |
| 7 000 | S-4050-7K | S-4052-7K | S-4051-7K |
| 10 000 | S-4050-10K | S-4052-10K | S-4051-10K |
| 20 000 | S-4050-20K | S-4052-20K | S-4051-20K |
| 25 000 | S-4050-25K | S-4052-25K | S-4051-25K |
| 30 000 | S-4050-30K | S-4052-30K | S-4051-30K |
| 40 000 | S-4050-40K | S-4052-40K | S-4051-40K |
| 50 000 | S-4050-50K | S-4052-50K | S-4051-50K |
| 60 000 | S-4050-60K | S-4052-60K | S-4051-60K |
| Kit of above | S-4050-Kit | S-4052-Kit | S-4051-Kit |

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Sulphur in Diesel: "Petroleum Pops"

New legislations on the sulfur content in diesel have led to numerous **new processes for sulfur-depletion** of diesel fuel. Typically the remaining sulfur content is mainly due to 4,6-disubstituted dibenzothiophenes.

These compounds, typical constituents of crude petroleum, will remain in the environment as **persistant pollutants** and will probably be accumulated in the food chain. Their hazardous properties are yet to be shown.

ASTM D 5623

Sulfur in Light Petroleum

Internal Standards

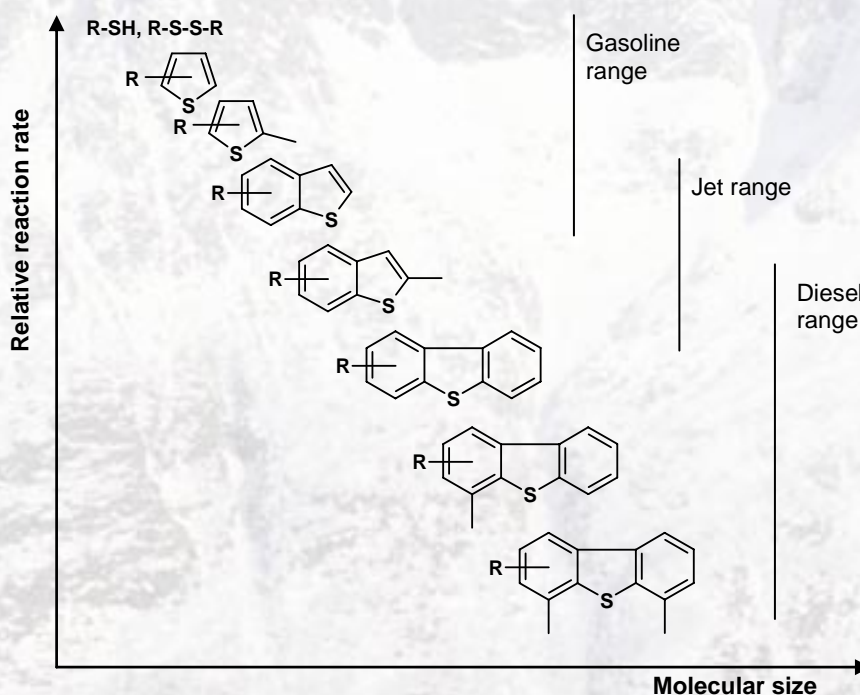
Sulfur compounds

(Mix of 21 sulfur compounds, including 7 methylbenzothiophenes)

Also available:

Kits of methyl-, dimethyl-, and trimethyldibenzothiophenes and benzonaphthothiophenes

Please inquire for details



ASTM D 5453-00

Standard Test Method for Total Sulfur in Light Hydrocarbons, Motor Fuels and Oil Ultraviolet Fluorescence

Sulfur Calibration Mixture Stock Solution

Dibenzothiophene in isooctane and White Oil

ASTM D 6428-99

Standard Test Method for Total Sulfur in Liquid Aromatic Hydrocarbons by Oxidative Combustion and Electrochemical Detection

Please inquire for details

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