



*Taking Sulfur Out of the Equation*

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## Sorbent Specification

### SulfaTrap™-R6 Sulfur

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SulfaTrap™ is a high-capacity, fast-reacting sorbent that effectively remove sulfides, mercaptans, tetrahydrothiophene (THT), di-sulfides and tri-sulfides, hydrogen sulfide (H<sub>2</sub>S) and carbonyl sulfide (COS) and reduce the sulfur concentration in the fuel to ppbv levels

**Intended Use:** Sulfur removal from gaseous flow streams, including natural gas and propane.

**Operating Conditions:** Ambient temperature up to 45°C. Preferred moisture content of less than 1000 ppmv in feed stream.

**General Specifications:**

**Size:** 1/16" pellets

**Appearance:** pale-blue to blue

**Bulk Density:** 44-50 lbs/ft<sup>3</sup>

**LOD (120°C):** <15 wt%

**Packaging:** 55 gallon steel drums, 6 ft<sup>3</sup> per drum

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Each production lot of SulfaTrap™-R6 will be delivered with a Certificate of Analysis including the following information:

Bulk Density

LOD (120°C)

Sulfur removal capacity

**Standard sorbent screening test:**

30,000 h<sup>-1</sup> GHSV, 50 ppmv each dimethyl sulfide and ethyl mercaptan, 19-23°C, 200 ppmv moisture, natural gas blend)

Sample drawn from 1L composite sample of 6 ft<sup>3</sup> lot

Minimum 1.5% combined sulfur loading by weight at breakthrough