Sorbent Specification
SulfaTrap™-R2 Sulfur

SulfaTrap™ is a high-capacity, fast-reacting sorbent that effectively remove sulfides, mercaptans, tetrahydrothiophene (THT), di-sulfides and tri-sulfides, hydrogen sulfide (H₂S) 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 45ºC. Preferred moisture content of less than 1000 ppmv in feed stream.

**General Specifications:**
- **Size:** 1/16” pellets
- **Appearance:** medium brown
- **Bulk Density:** 35-40 lbs/ft³
- **LOD (120ºC):** <2 wt%

**Packaging:** Packaged in plastic bags and placed in steel or plastic drums.

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

- Bulk Density
- LOD (120ºC)
- Sulfur removal capacity

**Standard sorbent screening test:**
- 30,000 h⁻¹ GHSV, 50 ppmv each dimethyl sulfide and ethyl mercaptan, 19-23ºC, 4000 ppmv moisture, natural gas blend
- Sample drawn from 1L composite sample of 1.2 ft³ lot
- Minimum 2% combined sulfur loading by weight at breakthrough