Sorbent Specification
SulfaTrap™-R8 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.

**Operating Conditions:** Ambient temperature up to 45ºC.

**General Specifications:**
- **Size:** 4 Mesh to 10 Mesh particulate
- **Appearance:** black
- **Bulk Density:** 32-36 lbs/ft³
- **LOD (120ºC):** <5 wt%

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

Each production lot of SulfaTrap™-R8 will be delivered with a Certificate of Analysis including the following information:

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

**Standard sorbent screening test:**
- 4,000 h⁻¹ GHSV, 2000 ppmv hydrogen sulfide, 19-23ºC, 2.2% moisture, 39.1% CO₂, 58.7% CH₄
- Sample drawn from 1L composite sample of 1.2 ft³ lot
- Minimum 3% combined sulfur loading by weight at breakthrough