**Sorbent Specification**

**SulfaTrap™-R7 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 45°C.

**General Specifications:**
- **Size:** 1/16” pellets
- **Appearance:** medium brown
- **Bulk Density:** 78-83 lbs/ft³
- **LOD (120°C):** <5 wt%

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

Each production lot of SulfaTrap™-R7 will be delivered with a Certificate of Analysis including the following information:

- Bulk Density
- LOD (120°C)
- Sulfur removal capacity

**Standard sorbent screening test:**
- 4,000 h⁻¹ GHSV, 2000 ppmv hydrogen sulfide, 19-23°C, 2.2% moisture, 39.1% CO₂, 58.7% CH₄
- Sample drawn from 1L composite sample of 1.2 ft³ lot
- Minimum 7% combined sulfur loading by weight at breakthrough