Sulfur simdist
Boiling point analysis of sulfur compounds in hydrogenated naphtha

Application Note

Energy & Fuels

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Introduction
Boiling point analysis of sulfur compounds in hydrogenated naphtha by gas chromatography is achieved using an Agilent CP-Sil 5 CB column in ten minutes.
**Conditions**

- **Technique**: GC-capillary
- **Column**: Agilent CP-Sil 5 CB UltiMetal, 0.53 mm x 10 m (df = 5 μm) (Part no. CP6666)
- **Temperature**: 35 °C (1 min) → 15 °C/min → 200 °C (2 min)
- **Carrier Gas**: Helium, 15 mL/min, constant flow
- **Injector**: PTV, 70 °C Hold 0 Rate 15 °C/min Final 200 °C
- **Detector**: SCLD
- **Sample Size**: 0.5 μL
- **Calculations**: Envantage Simdist-2000 with Sulfur module
  Total sulfur = 240 ppm

**Ppm-Sulfur w/v**

![Graph showing ppm-sulfur w/v](image)

10 min