Antioxidants

Determination of BHA and BHT antioxidants

Application Note

Energy & Fuels

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Introduction
GC determination of BHA and BHT antioxidants is achieved using an Agilent FactorFour VF-1ms column in less than 60 seconds.
Conditions

Technique: GC

Column: Agilent FactorFour VF-1ms fused silica, 0.25 mm x 30 m (df = 0.10 µm) (Part No. CP8911)

Temperature: 150 °C

Carrier Gas: He, 100 kPa

Detector: FID, 250 °C

Injector: Split, 1:100

Concentration Range: ca. 20 ng on the column

Peak identification

1. BHA butylated hydroxyanisole
2. BHT butylated hydroxytoluene