Spearmint oil

Application Note

Food Testing & Agriculture

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Introduction
The Agilent FactorFour VF-5ms bonded phase is one of a new generation phases with very low bleed specifications. The VF-5ms low bleed phase is highly efficient and reproducible which is required for the characterization of oil elution patterns (fingerprint).
Conditions

Technique: GC

Column: Agilent VF-5ms, 0.25 mm x 30 m fused silica
(df = 0.25 μm) (Part no. CP8944)

Temperature: 100 °C, 10 °C/min → 230 °C

Carrier Gas: Hydrogen, 50 kPa

Injector: Split, 1:200, T = 275 °C

Detector: FID

Sample Size: 1.0 μL

Concentration Range: ca. 5-10 ng per component on the column