Flavors and aromas
Fingerprint analysis of shampoo

Application Note

Materials Testing & Research

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Introduction
Gas chromatography with an Agilent CP-Wax 52 CB column produces a shampoo fingerprint in 45 minutes.
Conditions

Technique: GC-TCT with off-line purging on Tenax TA TCT tube

Column: Agilent CP-Wax 52 CB, 0.25 mm x 50 m fused silica
WCOT CP-Wax 52 CB (df = 0.2 μm)
(Part no. CP7723)

Temperature: 40 °C (5 min) → 210 °C, 5 °C/min

Injector:
- TCT
  - Purge time: 5 min
  - Purge flow: 30 mL/min
  - Purge temp.: 30 °C
  - Cryofocussing: -130 °C
  - Precool time: 3 min
  - Desorb time: 15 min
  - Desorb flow: 10 mL/min
  - Desorption oven temp.: 200 °C
  - Injection temp.: 200 °C
  - Injection time: 1 min
  - GC-injection block temp.: 250 °C

Detector: FID
T = 250 °C

Sample Size: 4 mL

Sample Temperature: ambient

Concentration Range: ppb/ppm

Courtesy: GL Sciences, Japan

Peak identification

Peaks not identified

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