Enantiomers

Application Note

Materials Testing & Research

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Introduction
Gas chromatography with an Agilent CP-Chirasil-DEX CB column separates racemic aromatic alcohols in 14 minutes.
**Conditions**

Technique: GC-capillary

Column: Agilent CP-Chirasil-DEX CB, 0.25 mm x 25 m fused silica WCOT CP-Chirasil-DEX CB (df = 0.25 μm) (Part no. CP7502)

Temperature: 100 °C → 130 °C, 2 °C/min

Carrier Gas: H₂, 100 kPa (1 bar, 14.5 psi)

Injector: Split

Detector: FID

**Peak identification**

1. (±)-2-phenyl-2-butanol
2. (±)-2-phenyl-3-methyl-2-butanol
3. (±)-3-methyl-5-phenyl-3-pentanol

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