Solvents

Application Note

Materials Testing & Research

Introduction

Gas chromatography using an Agilent PoraPLOT U column separates six solvents in a test mixture in 12 minutes.

Authors

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Conditions

Technique: GC-capillary
Column: Agilent PoraPLOT U, 0.25 mm x 25 m fused silica PLOT PoraPLOT U (df= 8.0 μm) (Part no. CP7579)
Temperature: 150 °C
Carrier Gas: H₂, 65 kPa (0.65 bar, 9.3 psi)
Injector: Split, 100 mL/min
Detector: FID
Sample: 0.1% of each component in methanol

Peak identification
1. ethanol
2. n-pentane
3. diethyl ether
4. acetone
5. n-hexane
6. ethyl acetate