Solvents

Application Note

Materials Testing & Research

Authors

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Introduction

Gas chromatography using an Agilent PoraPLOT Q column separates six solvents in a test mixture in 16 minutes.

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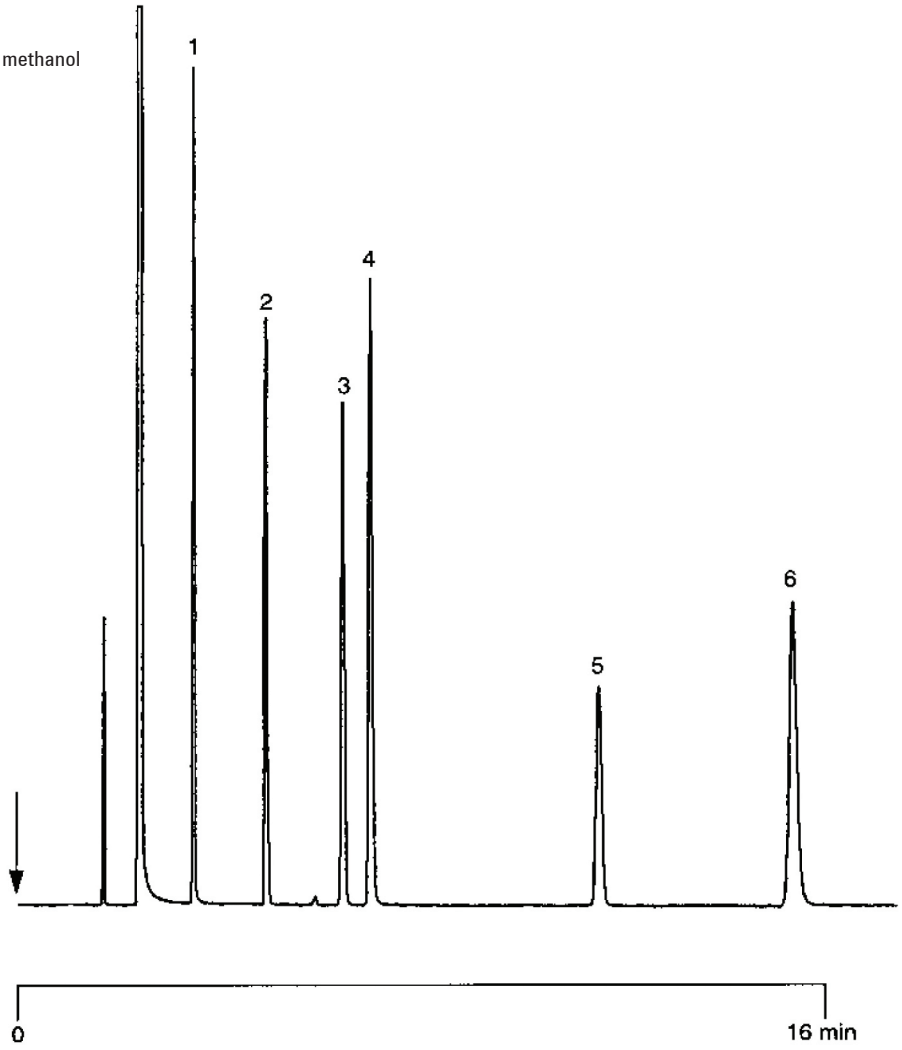
Conditions

Technique	: GC-capillary
Column	: Agilent PoraPLOT U, 0.25 mm x 25 m fused silica PLOT PoraPLOT U (df= 8.0 µm) (Part no. CP7549)
Temperature	: 150 °C
Carrier Gas	: H_2, 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. acetone
3. diethyl ether
4. n-pentane
5. ethyl acetate
6. n-hexane



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