Solvents

Analysis of impurities in methanol

Application Note

Materials Testing & Research

Authors

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Introduction

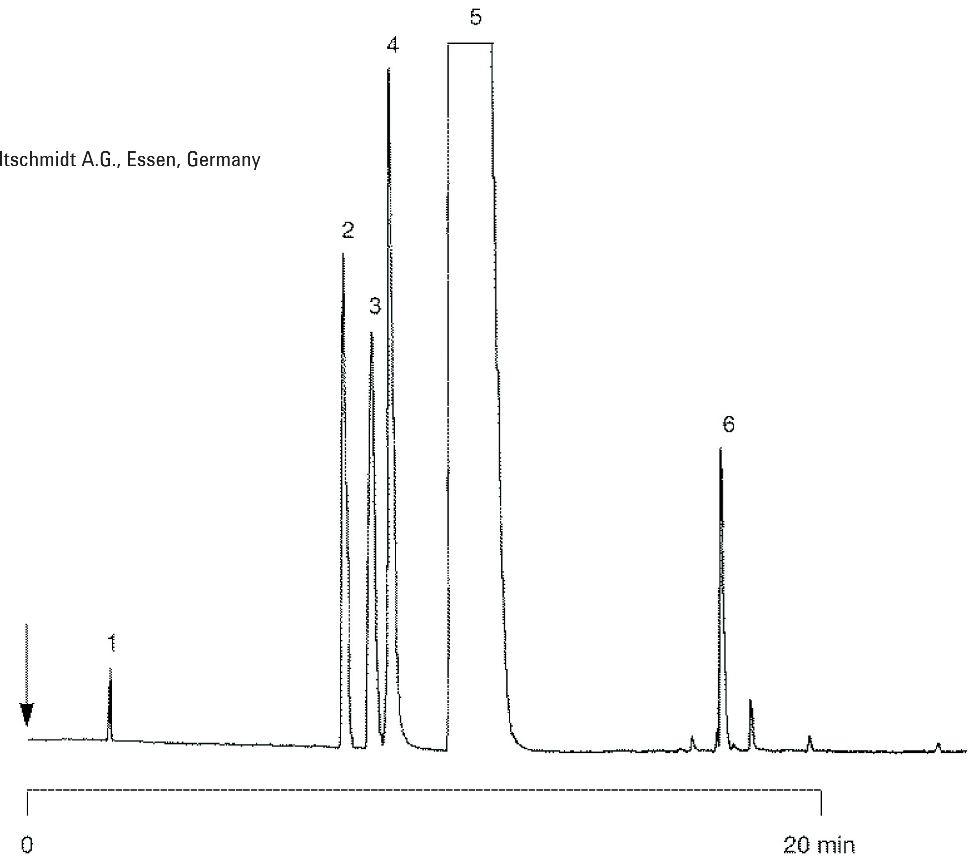
Gas chromatography with an Agilent PoraPLOT U column separates solvent impurities in methanol in 20 minutes.

Conditions

Technique	: GC-capillary
Column	: Agilent PoraPLOT U, 0.25 mm x 25 m fused silica PLOT (df = 8 µm) (Part no. CP7579)
Temperature	: 60 °C → 110 °C, 5 °C/min; 110 °C → 190 °C, 10 °C/min
Carrier Gas	: He, 180 kPa (1.8 bar, 26 psi)
Injector	: Split, 30 mL/min T = 180 °C
Detector	: TCD T = 200 °C
Sample Size	: 2 µL
Solvent Sample	: methanol
Courtesy	: T. Böhmer, Th, Goldtschmidt A.G., Essen, Germany

Peak identification

1. air
2. chloromethane
3. dimethyl ether
4. water
5. methanol (matrix)
6. unknown



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