



Solvents

Application Note

Materials Testing & Research

Authors

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Introduction

Gas chromatography with an Agilent CP-Wax 52 CB column separates 16 solvents in 21minutes



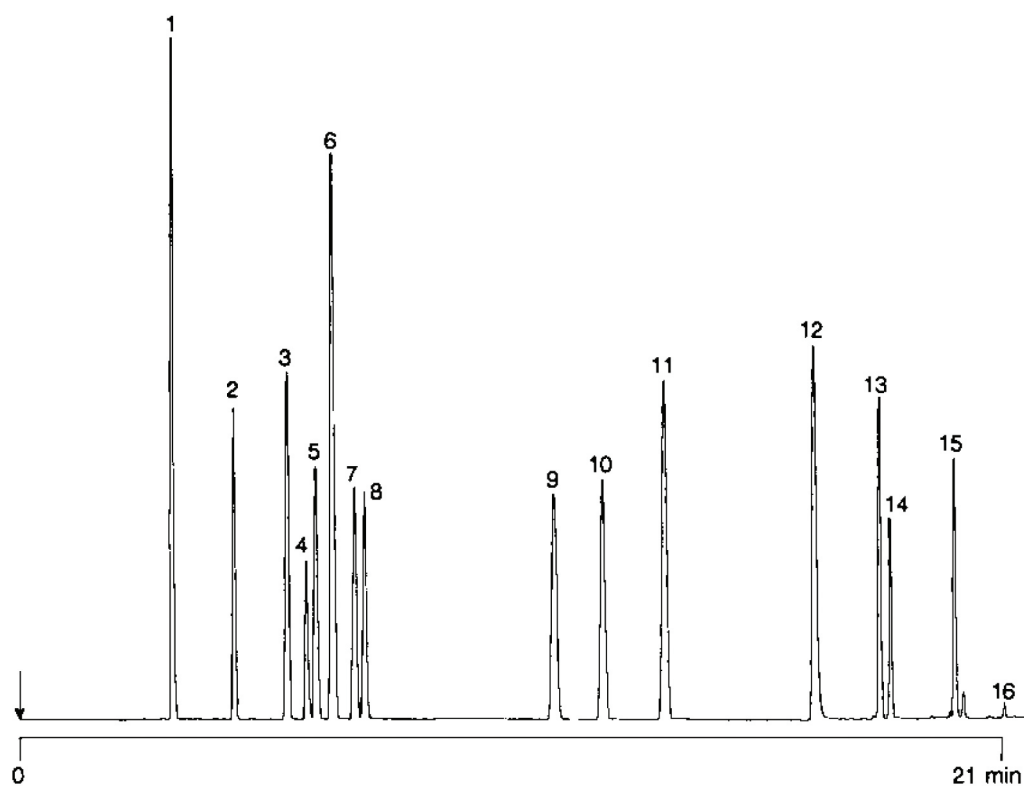
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Conditions

Technique : GC - capillary
Column : Agilent CP-Wax 52 CB, 0.32 mm x 50 m fused silica
WCOT CP-Wax 52 CB (df = 1.2 µm) (Part no. CP7773)
Temperature : 50°C (2 min) → 65°C, 1°C/min;
→ 150°C, 10°C/min; 150°C (10 min)
Carrier Gas : H₂, 70 kPa (0.7 bar, 10 psi)
Injector : headspace HS-6, split 1/200
T = 250°C
Detector : FID,
T = 250°C
Sample Size : 0.5 µL

Peak identification

1. heptane
2. acetone
3. tetrahydrofurane
4. methanol
5. ethyl acetate
6. isopropyl acetate
7. isopropanol
8. ethanol
9. 4-methyl-2-pentanone
10. propanol
11. toluene
12. 1-methoxy-2-propanol
13. 1-ethoxy-2-propanol
14. 2-methoxyethanol
15. methoxypropyl acetate
16. ethoxypropyl acetate



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