



Solvents

Separation of alcohols

Application Note

Materials Testing & Research

Authors

Agilent Technologies, Inc.

Introduction

Gas chromatography with an Agilent CP-Select 624 CB column separates 12 alcohols in ten minutes.

The unique selectivity of the CP-Select 624 CB stationary phase enables separation of almost any type of solvent.



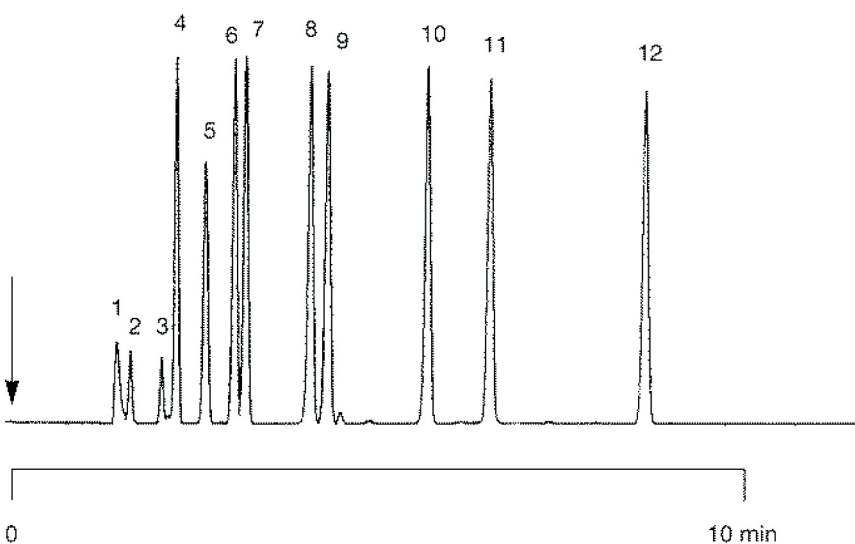
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Conditions

Technique : GC-wide-bore
Column : Agilent CP-Select 624 CB fused silica WCOT
30 m x 0.53 mm, fused silica WCOT (df = 3.0 μ m)
(Part no. CP7416)
Temperature : 50 °C \rightarrow 200 °C. 10 °C/min
Carrier Gas : N₂, 10 mL/min
Injector : Direct,
T = 250 °C
Detector : FID
T = 250 °C
Sample Size : 0.02 μ L
Solvent Sample : solvents mixture

Peak identification

1. impurity
2. 2-methyl-2-propanol (t-butanol)
3. impurity
4. 2-butanol
5. 2-methyl-2-butanol
6. n-butanol
7. 3-methyl-2-butanol
8. 2-methyl-1-butanol
9. 4-methyl-2-pentanol
10. 2-ethyl-1-butanol
11. 2-heptanol
12. 2-ethyl-1-hexanol



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This information is subject to change without notice.

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