



Glycols

Application Note

Materials Testing & Research

Authors

Agilent Technologies, Inc.

Introduction

GC separation of ten glycols using an Agilent CP-Wax 52 CB column with FID is achieved in under 40 minutes.



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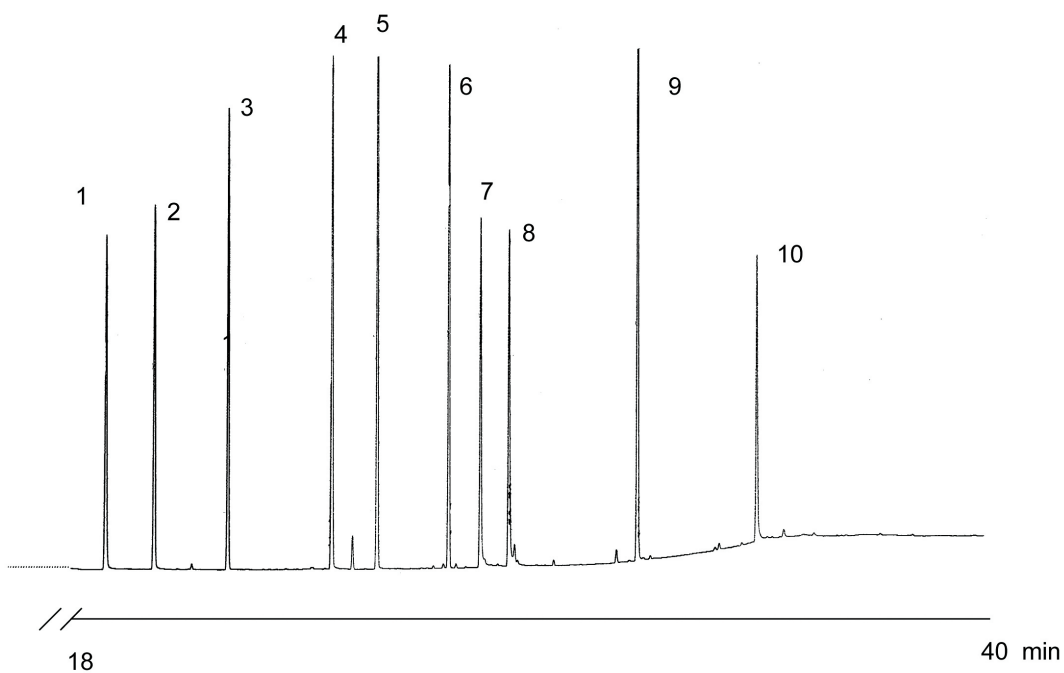
Conditions

Technique : GC-capillary
Column : Agilent CP-Wax 52 CB, 0.32 mm x 50 m fused silica
(df = 1.2 μ m) (Part no. CP7773)
Temperature : 40 °C (10 min) \rightarrow 220 °C, 6 °C/min, 10 min
Carrier Gas : H₂, 70 kPa
Injector : Split, 1:20; T = 200 °C
Detector : FID, T = 300 °C
Sample Size : 1.0 μ L
Concentration Range : approx: 2% in dioxane
Solvent Sample : Dioxane 1,4

Courtesy : Birgit Karhoff, Bakelite AG, Germany

Peak identification

1. methylglycol
2. ethylglycol
3. ethylglycolacetate
4. butylglycol
5. butylglycolacetate
6. ethyleneglycoldiacetate
7. propyleneglycol
8. ethyleneglycol
9. butyldiglycol
10. diglycol



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This information is subject to change without notice.

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