

Acetic acid esters

Separation of C₁-C₃ acetates on a wide-bore fused silica column

Application Note

Materials Testing & Research

Authors

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Introduction

Gas chromatography using an Agilent CP-Sil 5 CB column separates seven C₁ to C₃ acetates in five minutes.



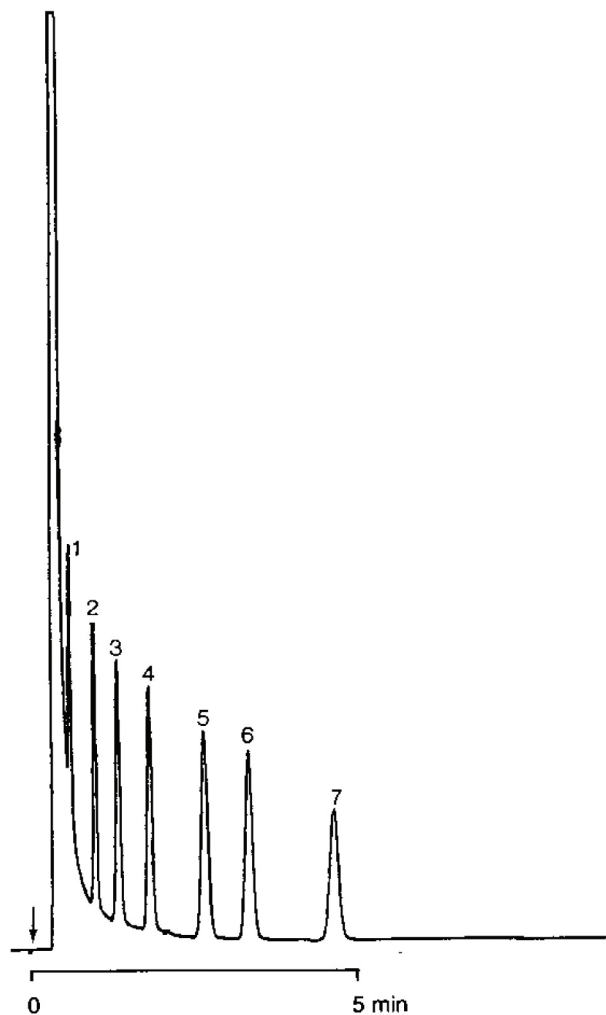
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Conditions

Technique : GC-capillary
Column : Agilent CP-Sil 5 CB, 0.53 mm x 10 m fused silica
WCOT CP-Sil 5 CB (5.0 μm) (Part no. CP7645)
Temperature : 50 °C \rightarrow 100 °C, 5 °C/min
Carrier Gas : N_2 , 10 kPa (0.1 bar), 52 cm/s
Injector : direct
T = 250 °C
Detector : FID, 100×10^{-12} Afs
T = 275 °C
Sample Size : 2 μL

Peak identification

1. methylacetate
2. ethylacetate
3. isopropylacetate
4. propylacetate
5. isobutylacetate
6. butylacetate
7. isoamylacetate



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This information is subject to change without notice.

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