



Volatiles in ethanol

Application Note

Materials Testing & Research

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Introduction

Gas chromatography with the Agilent CP-Wax 57 CB phase separates ten volatiles in ethanol in ten minutes.



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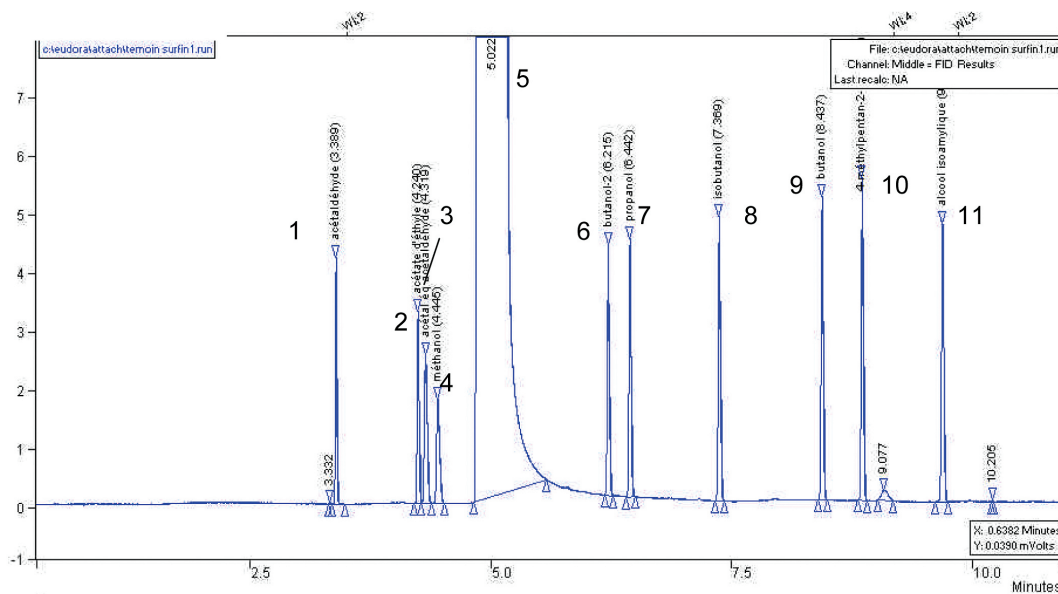
Conditions

Technique : GC-capillary
Column : Agilent CP-Wax 57 CB, 0.25 mm x 50 m fused silica (df = 0.2 μ m) (Part no. CP97723)
Temperature : 50 °C (4 min) \rightarrow 100 °C (2 min), 10 °C/min
Carrier Gas : He, 10 psi (0.3 min) \rightarrow 30 psi (9.7 min), 10 psi/min
Injector : split (1177), 1:50
T = 180 °C
Detector : FID
T = 250 °C
Sample Size : standard solution, 1 μ L
Sample Solvent : ethanol

Courtesy : Ms H el ene Boone, Dislaub, France

Peak identification

1. acetaldehyde
2. ethylacetate
3. acetal
4. methanol
5. ethanol
6. 2-butanol
7. propanol
8. isobutanol
9. butanol
10. 4-methyl-2-pentanol
11. isoamylalcohol



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This information is subject to change without notice.

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