



Amino alcohols

Application Note

Materials Testing & Research

Authors

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Introduction

Gas chromatography using an Agilent CP-Sil 5 CB column separates three amino alcohols in nine minutes.



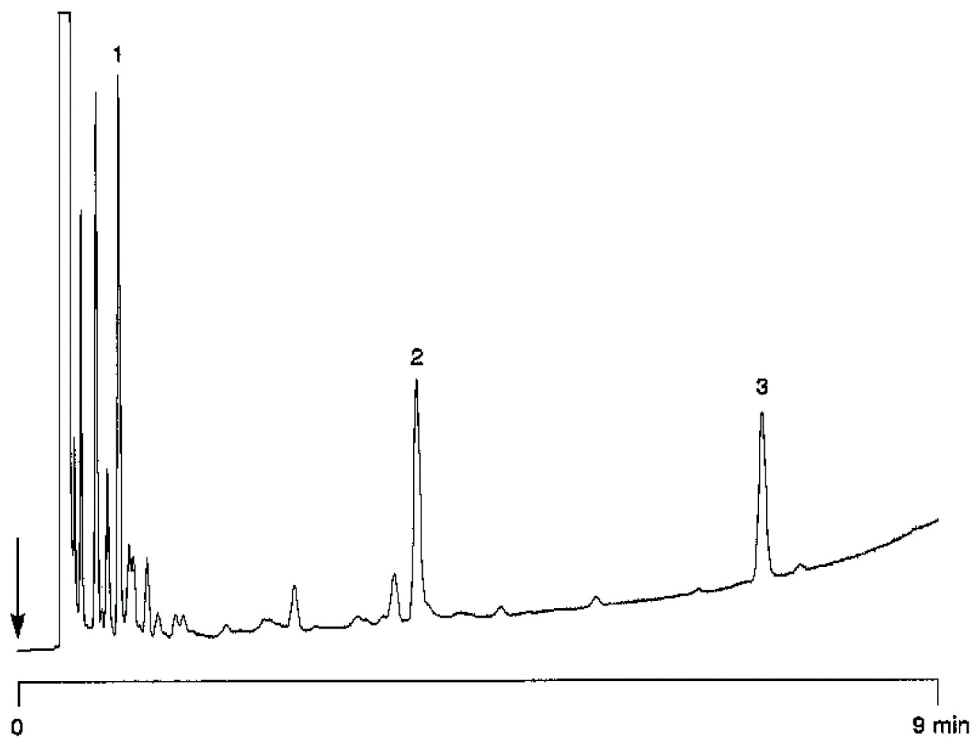
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Conditions

Technique : GC-wide-bore
Column : Agilent CP-Sil 5 CB, 0.53 mm x 15 m, fused silica
WCOT CP-Sil 5 CB (df = 5.0 μ m) (Part no. CP8676)
Temperature : 80 °C \rightarrow 250 °C, 15 °C/min
Carrier Gas : N₂, 0.2 bar (20 kPa, 2.9 psi)
Injector : Split (split ratio 1/9),
T = 275 °C
Detector : FID
T = 300 °C
Sample Size : 0.4 μ L
Concentration Range : all components 25 ppm,
1 ng per component on the column
Solvent Sample : methanol

Peak identification

1. monoethanolamine
2. diethanolamine
3. triethanolamine



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This information is subject to change without notice.

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