C_8 aromatics and N-aminoethylpiperazine

Determination of C_8 aromatics and N-aminoethylpiperazine on a fused silica capillary column

Application Note

BioPharma

Authors

Agilent Technologies, Inc.

Introduction

Gas chromatography using an Agilent CP-Wax 51 for Amines column separates C_8 aromatics and N-aminoethylpiperazine in 15 minutes.

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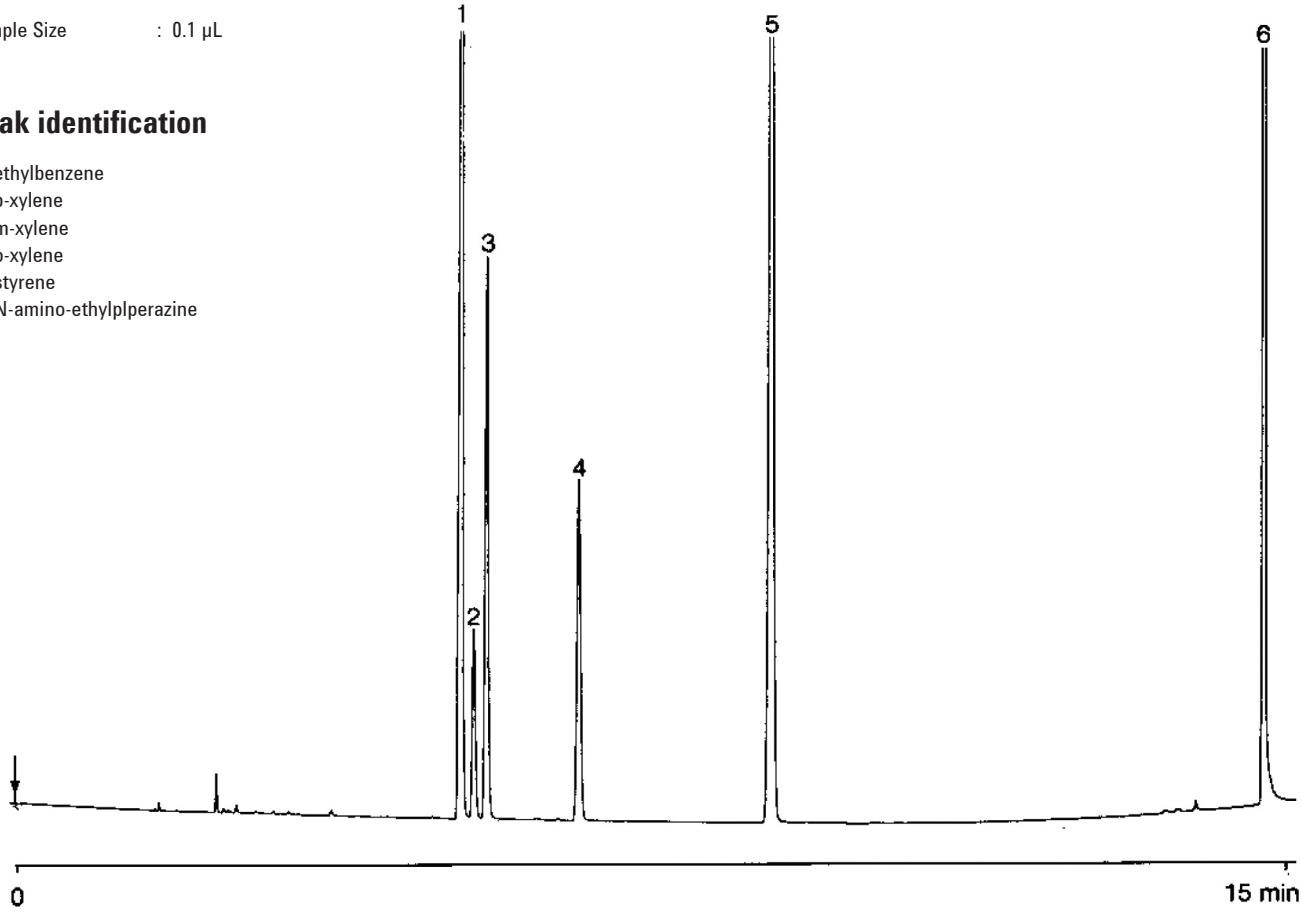
Conditions

Technique	:	GC-capillary
Column	:	Agilent Cp-Wax 51, 0.22 mm x 25 m fused silica WCOT CP-Wax 51 for amines (0.2 µm) (Part no. CP7405)
Temperature	:	60 °C → 84 °C, 4 °C/min → 160 °C, 8 °C/min
Carrier Gas	:	H_2, 90 kPa (0.9 bar, 13 psi) 50 cm/s
Injector	:	Splitter, 200 mL/min T = 200 °C
Detector	:	FID, 64 x 10^{-12} Afs T = 200 °C
Sample Size	:	0.1 µL

Peak identification

1. ethylbenzene
2. p-xylene
3. m-xylene
4. o-xylene
5. styrene
6. N-amino-ethylplperazine



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