

C₁ – C₅ hydrocarbons

Application Note

Energy & Fuels

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Introduction

Selectivity of the Agilent Select Al₂O₃ MAPD column is very high in the separation of seven impurities in a hydrocarbon stream.



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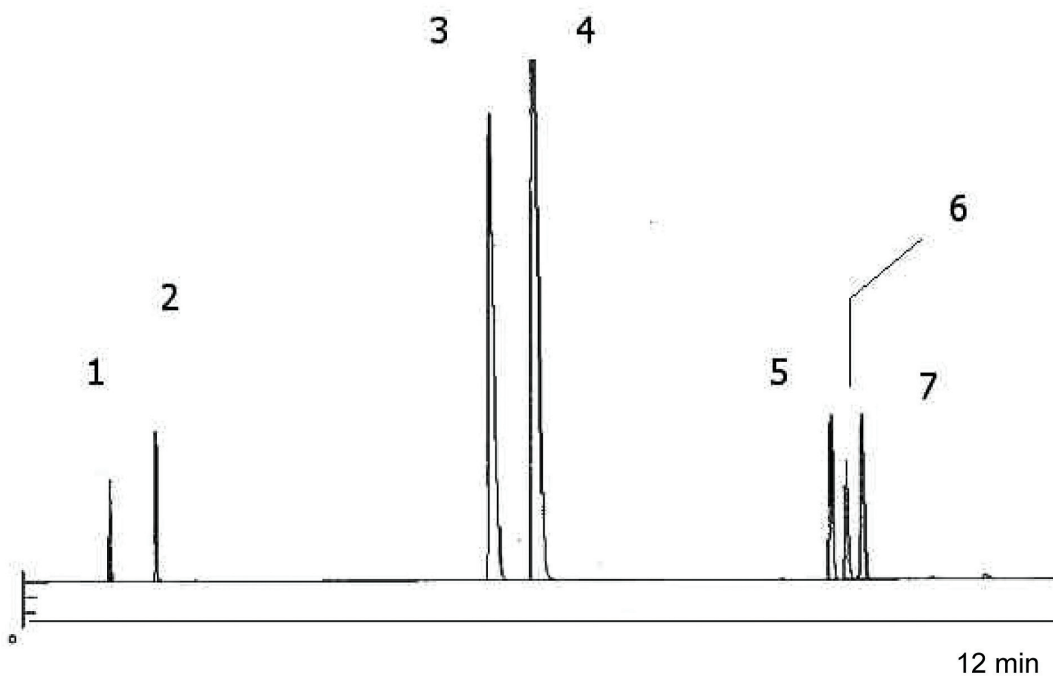
Conditions

Technique : GC
Column : Agilent Select Al₂O₃ MAPD, 0.53 mm x 50 m fused silica, Part no. CP7432
Temperature : 40 °C, 5min → 160 °C, 10 °C/min → 200 °C, 20 °C/min, hold 1 min
Carrier Gas : He, 4 psig, 4 min → 11 psig, 0.5 psig/min, 2 min
Injector : Split 60 mL/min
Detector : FID
Concentration Range : approx. 100 ppm in nitrogen, synthetic standard

Courtesy : J. Luong, Dow Chemical Canada

Peak identification

1. methane
2. ethylene
3. iso-butane
4. n-butane
5. iso-pentane
6. cis-2-butene
7. n-pentane



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This information is subject to change without notice.

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