



Hydrocarbons, $C_1 - C_4$

Analysis of impurities in butane

Application Note

Energy & Fuels

Authors

Agilent Technologies, Inc.

Introduction

Gas chromatography with an Agilent CP-SilicaPLOT column separates impurities in butane in 12 minutes.



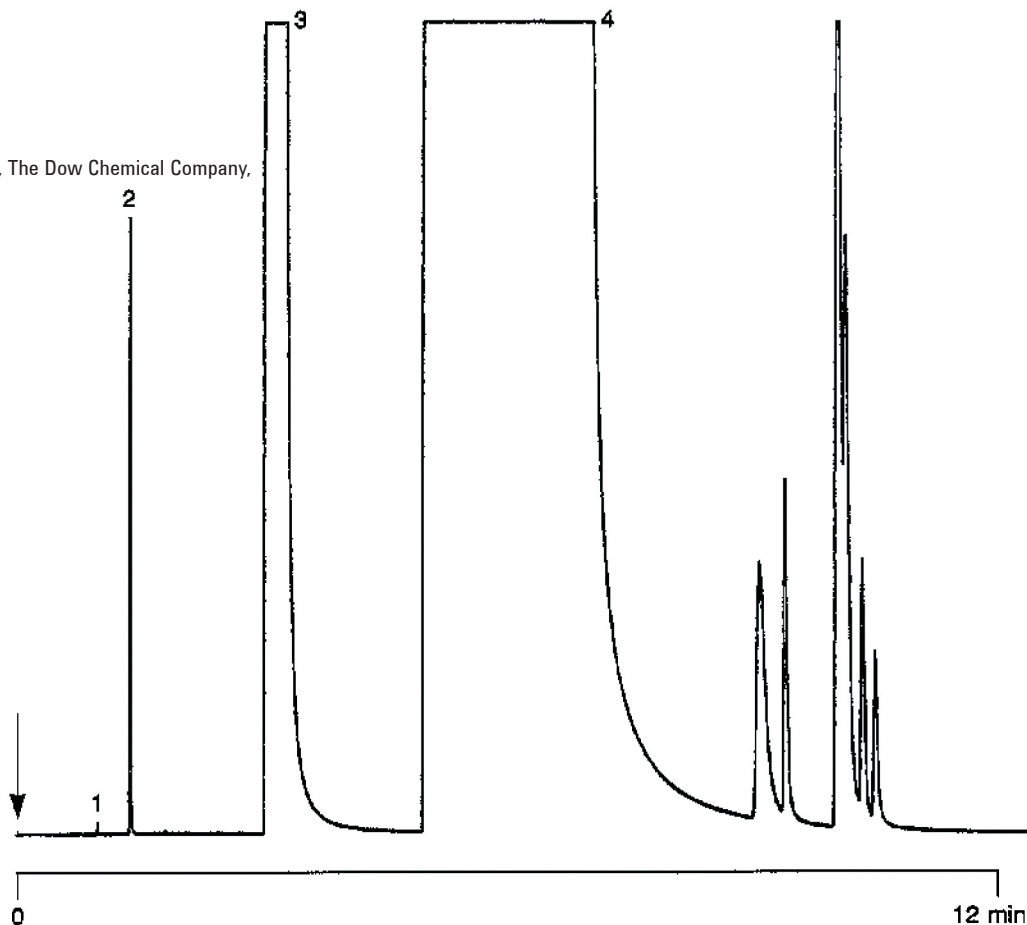
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Conditions

Technique : GC-capillary
Column : Agilent CP-SilicaPLOT, 0.32 mm x 30 m, fused silica
PLOT CP-SilicaPLOT (df = 4 μ m) (Part no. CP8567)
Temperature : 30 °C (2 min) \rightarrow 250 °C, 10 °C/min
Carrier Gas : He, 210 kPa (2.1 bar, 30 psi)
Injector : Split, 1:100
T = 200 °C
Detector : FID
T = 250 °C
Sample Size : 1.0 mL
Courtesy : Jim Luong, The Dow Chemical Company,
Canada

Peak identification

1. methane
2. ethane
3. propane
4. butane



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This information is subject to change without notice.

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