

Hydrocarbons – alkanes and tetrahydrofuran

Determination of THF in technical cyclohexane

Application Note

Materials Testing & Research

Authors

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Introduction

Gas chromatography using an Agilent CP-Sil 5 CB column separates tetrahydrofuran in technical cyclohexane in 20 minutes.



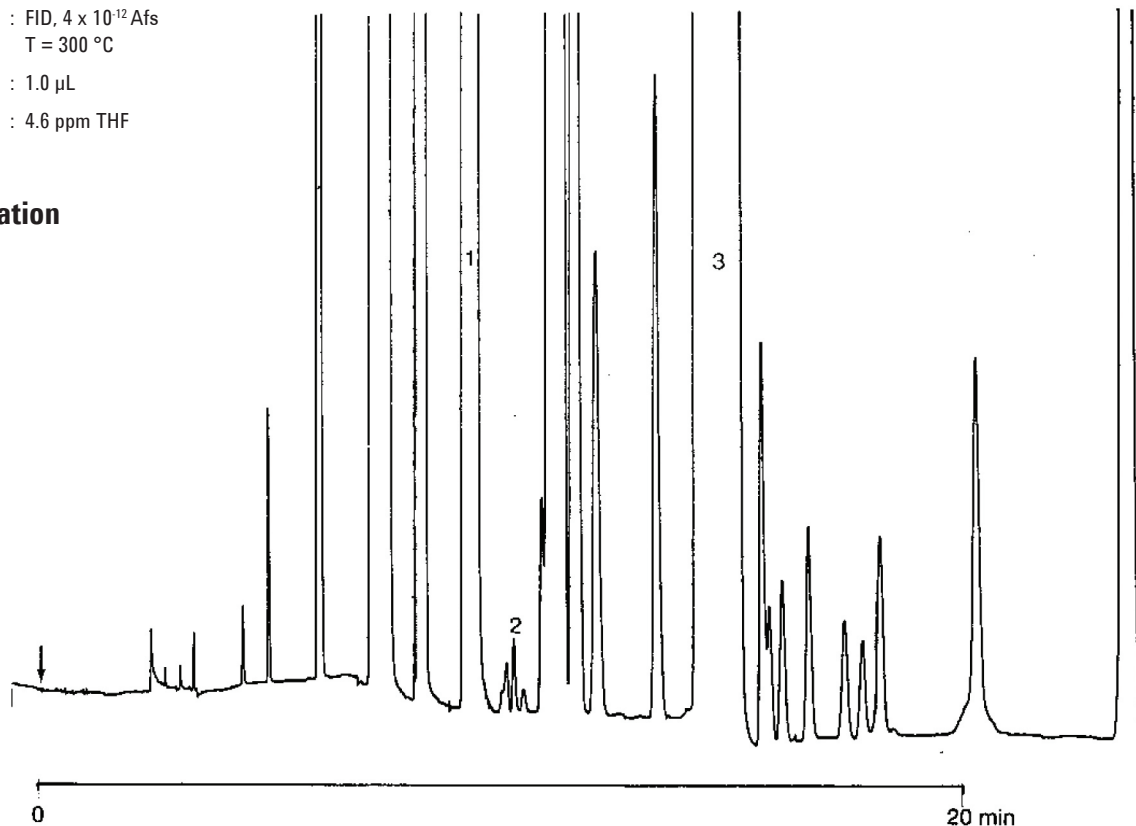
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Conditions

Technique : GC- capillary
Column : Agilent CP-Sil 5 CB, 0.32 mm x 50 m fused silica
WCOT CP-Sil 5 CB (1.2 μ m) (Cat. no. CP7770)
Temperature : 35 °C
Carrier Gas : H₂ 63 kPa (0.63 bar), 35 cm/s
Injector : Splitter, 80 mL/min
T = 250 °C
Detector : FID, 4 x 10⁻¹² Afs
T = 300 °C
Sample Size : 1.0 μ L
Concentration Range : 4.6 ppm THF

Peak identification

1. n-hexane
2. tetrahydrofuran
3. cyclohexane



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This information is subject to change without notice.

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Printed in the USA

31 August, 2011

First published prior to 11 May 2010

A00005



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