



Sugars

Separation of several sugars as hexa-acetates

Application Note

Food Testing & Agriculture

Authors

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Introduction

Gas chromatography using an Agilent CP-Sil 8 CB column separates five sugars as hexa-acetates in 25 minutes.



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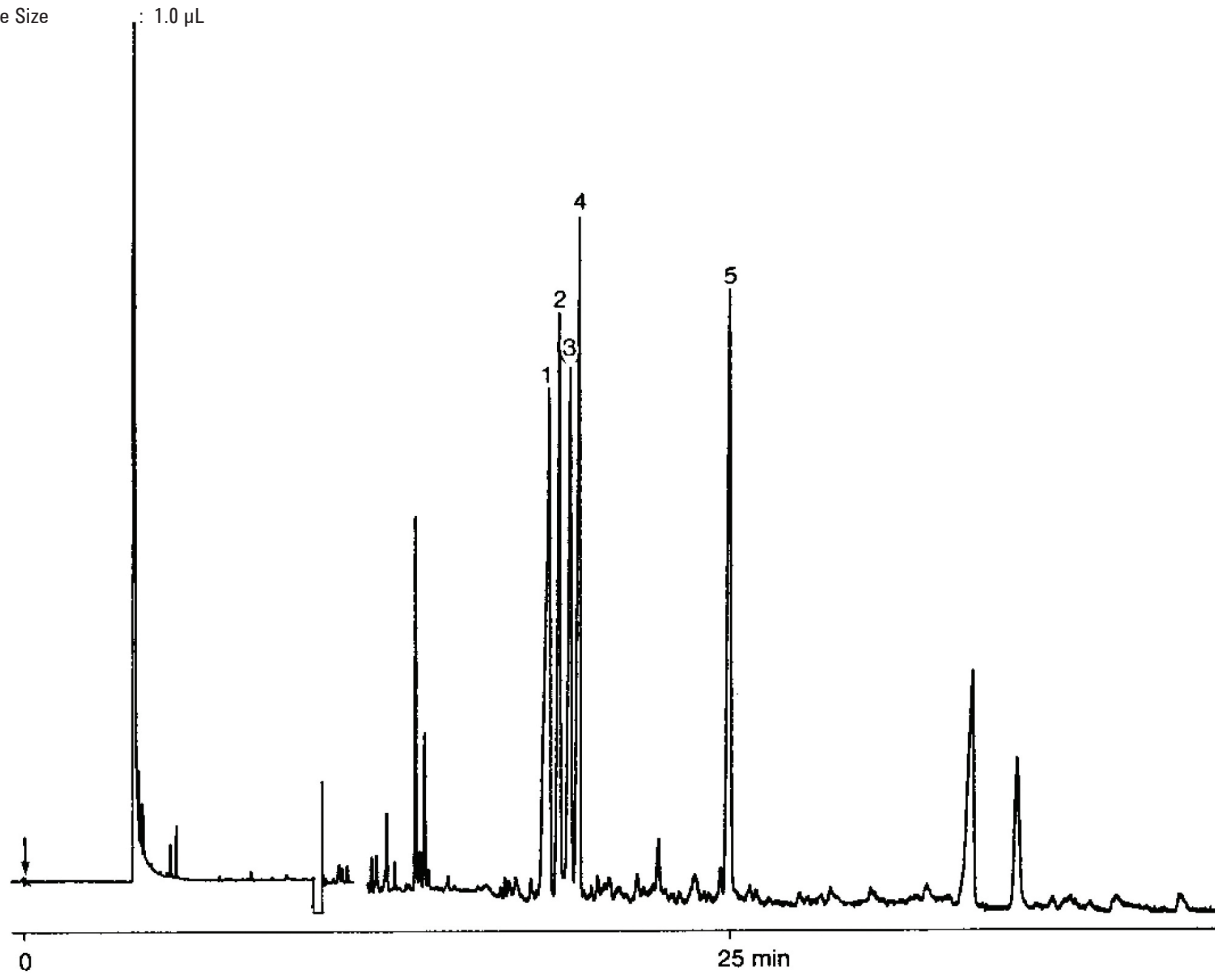
Conditions

Technique : GC-capillary
Column : Agilent CP-Sil 8 CB, 0.22 mm x 25 m fused silica
WCOT CP-Sil 8 CB (0.12 µm) (Part no. CP7711)
Temperature : 150 °C → 200 °C, 5 °C/min
Carrier Gas : He, 120 kPa (1.2 bar, 17 psi), 19 cm/s
Injector : Splitter, 40 mL/min
T = 250 °C
Detector : FID, 8 x 10⁻¹² Afs
T = 250 °C
Sample Size : 1.0 µL

Peak identification

1. inositol
2. mannitol
3. sorbitol
4. galactitol
5. perseitol

as hexa-acetates



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This information is subject to change without notice.

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