



Sterols

Application Note

Food Testing & Agriculture

Authors

Agilent Technologies, Inc.

Introduction

Determine cholesterol, beta-sitosterol and stigmasterol in butter fat by GC with an Agilent VF-5ms column.



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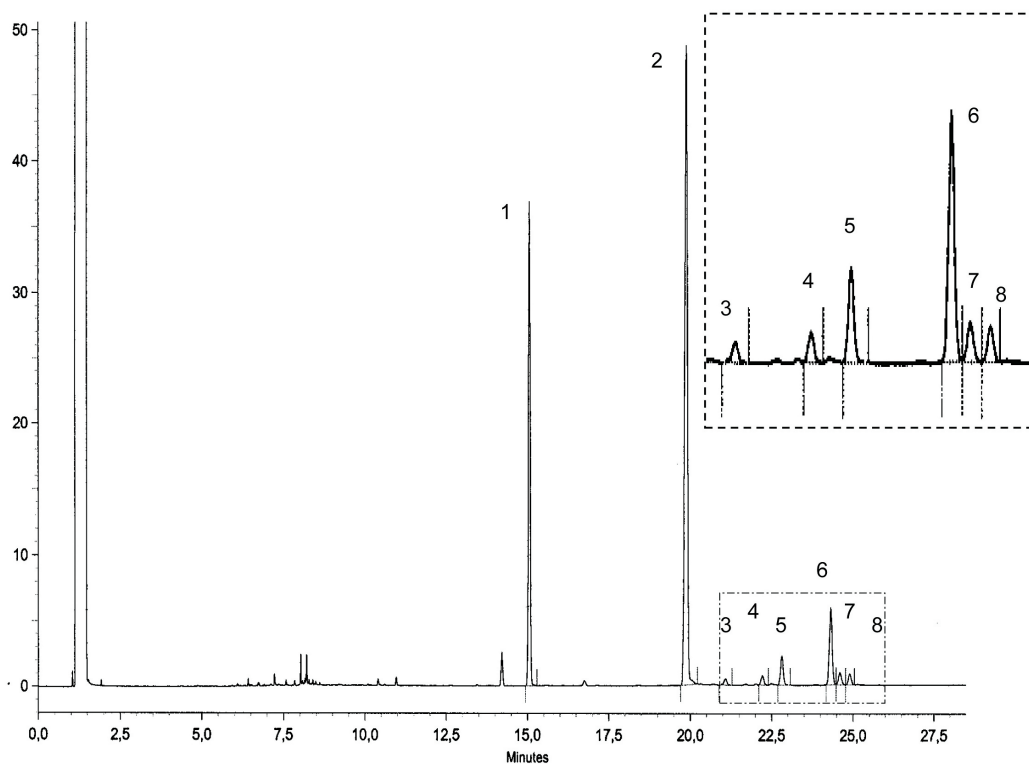
Conditions

Technique : GC-capillary
Column : Agilent VF-5ms, 0.32 mm x 30 m fused silica
(df = 0.25 µm) (Part No. CP8955)
Temperature : 115 °C, 1 min → 260 °C, 9 °C/min, 3min, → 290 °C,
1.5 °C/min
Carrier Gas : He, 100 kPa
Injector : On-Column, 0.8 µL
Detector : FID
T = 320 °C
Solvent : isooctane
Concentration Range : ca. 6 - 60 ng on the column

Courtesy : H. v. d. Brink, COKZ, Leusden, The Netherlands

Peak identification

1. cholestane
2. cholesterol
3. brassicasterol
4. campesterol
5. stigmasterol
6. beta-sitosterol
7. stigmastanol
8. lanosterol



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This information is subject to change without notice.

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