



FAME of butter

Application Note

Food Testing & Agriculture

Authors

Agilent Technologies, Inc.

Introduction

Fast GC analysis of eight FAMEs in butter is achieved in less than five minutes, using the Agilent VF-23ms GC column.



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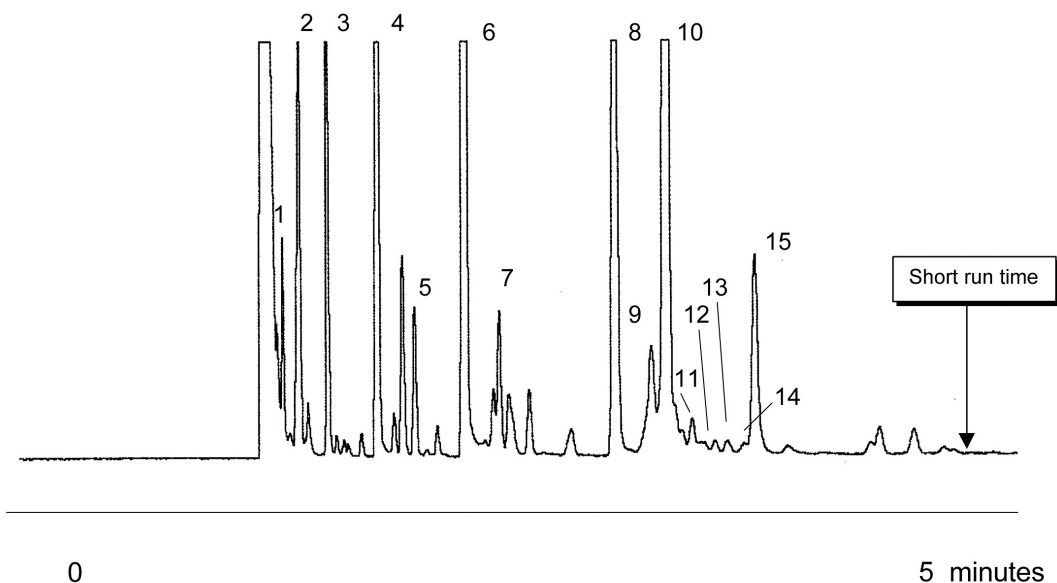
Conditions

Technique : GC
Column : Agilent VF-23ms, 0.25 mm x 30 m fused silica
(df = 0.25 μ m) (Part No. CP8822)
Temperature : 185 °C
Carrier Gas : Hydrogen, 70 kPa
Injector : Split, 1:100
T = 275 °C
Detector : FID
Sample Size : 0.5 μ L
Concentration Range : ca. 5 ng per component on the column

Courtesy : J. Peene, Agilent R&D laboratories, Middelburg,
The Netherlands

Peak identification

1. C8:0
2. C10:0
3. C12:0
4. C14:0
5. C14:1
6. C16:0
7. C16:1 9-cis
8. C18:0
9. C18:1 trans
10. C18:1 9-cis
11. C18:1 13-cis
12. C18:2 9-trans, 12-trans
13. C18:2 9-cis, 12-trans
14. C18:2 9-trans, 12-cis
15. C18:2 9-cis, 12-cis



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This information is subject to change without notice.

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