



Fatty acid methyl esters

Application Note

Food Testing & Agriculture

Authors

Agilent Technologies, Inc.

Introduction

Gas chromatography using an Agilent CP-Sil 88 for FAME column separates 19 fatty acid methyl esters in 20 minutes.



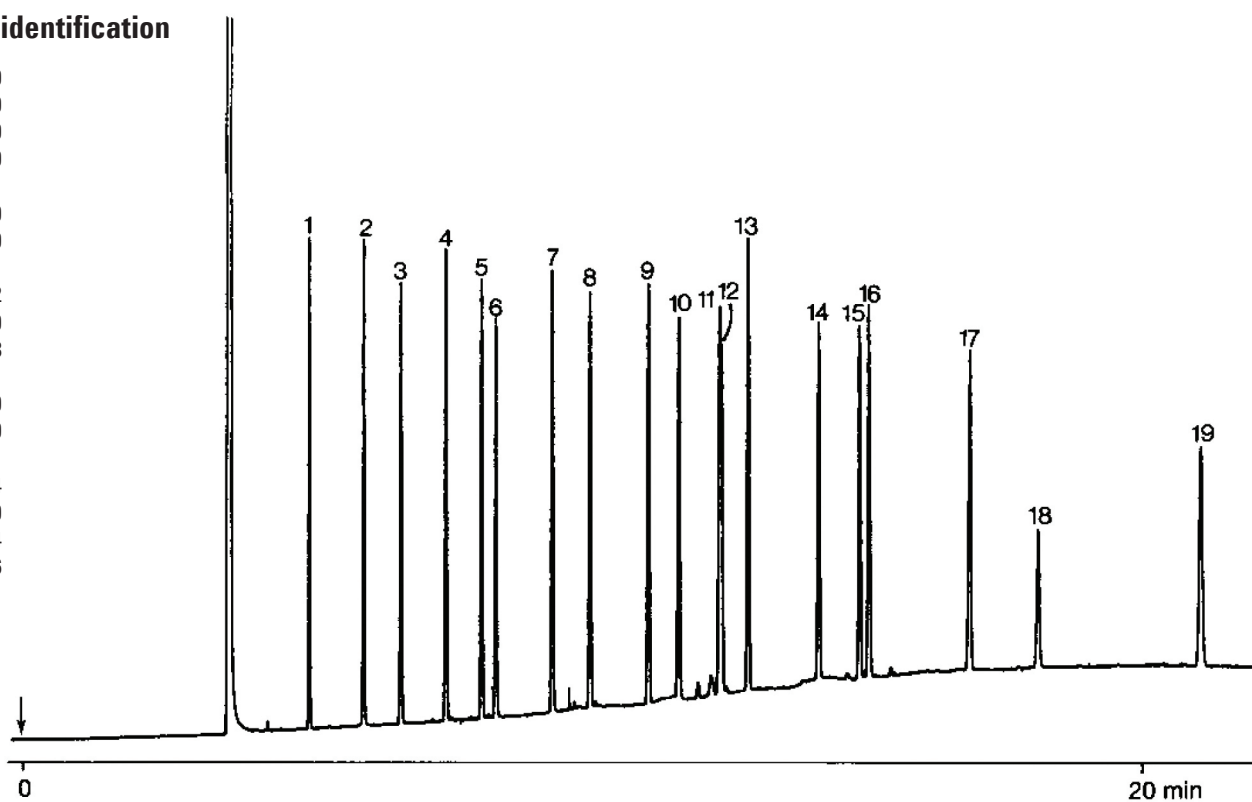
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Conditions

Technique : GC-capillary
Column : Agilent CP-Sil 88 for FAME, 0.22 mm x 50 m fused silica WCOT CP-Sil 88 (0.2 μ m) (Part no. CP7488)
Temperature : 160 $^{\circ}$ C \rightarrow 220 $^{\circ}$ C, 4 $^{\circ}$ C/min
Carrier Gas : He, 220 kPa (2.2 bar, 32 psi), 28 cm/s
Injector : Splitter
 T = 250 $^{\circ}$ C
Detector : FID, 5×10^{-12} Afs
 T = 250 $^{\circ}$ C

Peak identification

1. C12:0
2. C14:0
3. C15:0
4. C16:0
5. C16:1
6. C17:0
7. C18:0
8. C18:1
9. C18:2
10. C20:0
11. C18:3
12. C20:1
13. C21:0
14. C22:0
15. C22:1
16. C20:4
17. C24:0
18. C22:4
19. C22:6



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