



Free fatty acids

Application Note

Materials Testing & Research

Authors

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Introduction

The trifluoropropyl phase of Agilent VF-200ms is very stable which allows the analysis of aggressive compounds. Loadability of the thick film is much higher which shows in a more symmetrical peak for free fatty acids.



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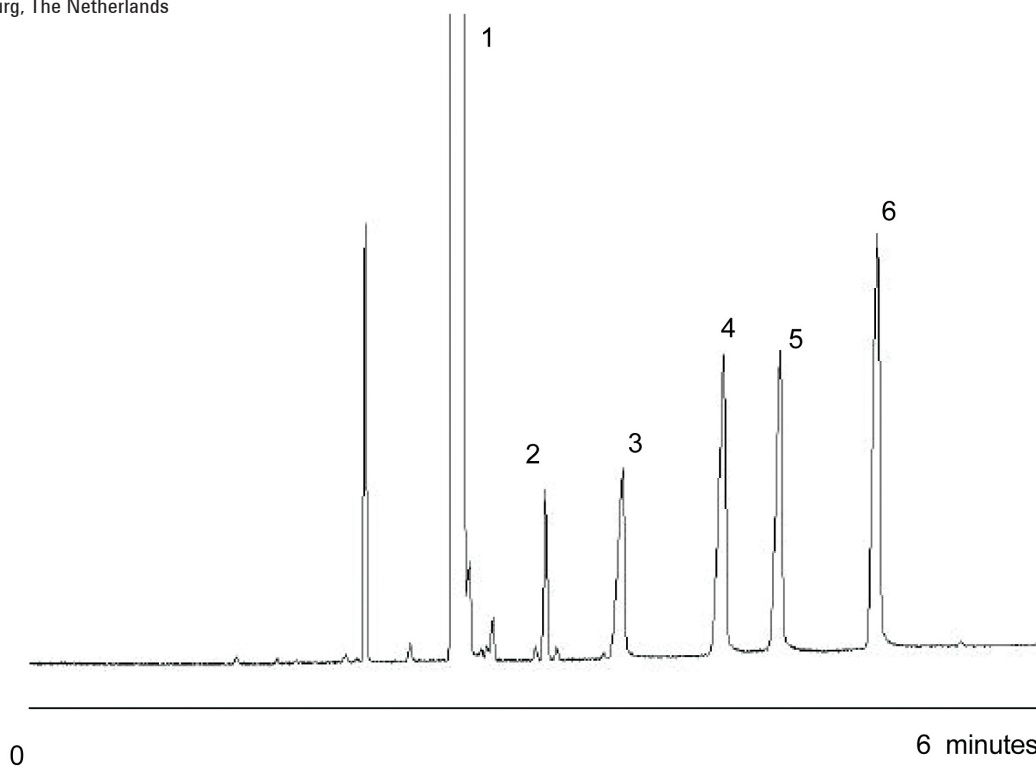
Conditions

Technique : GC
Column : Agilent FactorFour VF-200ms, 0.25 mm x 30 m
(df = 1.0 μ m) (Part No. CP8860)
Temperature : 45 °C, 3 min, 1 °C/min \rightarrow 325 °C
Carrier Gas : Hydrogen, ca 1.0 mL/min
Pressure program : 60 kPa
Injector : Split/Splitless, in split mode, 1:100
Detector : FID
Sample Size : 1 μ L
Solvent : cyclohexane, 0.1% w/v

Courtesy : Jan Peene, Agilent application laboratory,
Middelburg, The Netherlands

Peak identification

1. cyclohexane
2. acetic acid
3. propionic acid
4. iso-butyric acid
5. butyric acid
6. iso-valeric acid



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This information is subject to change without notice.

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