

CoreFocus
Report
No. 506

GC

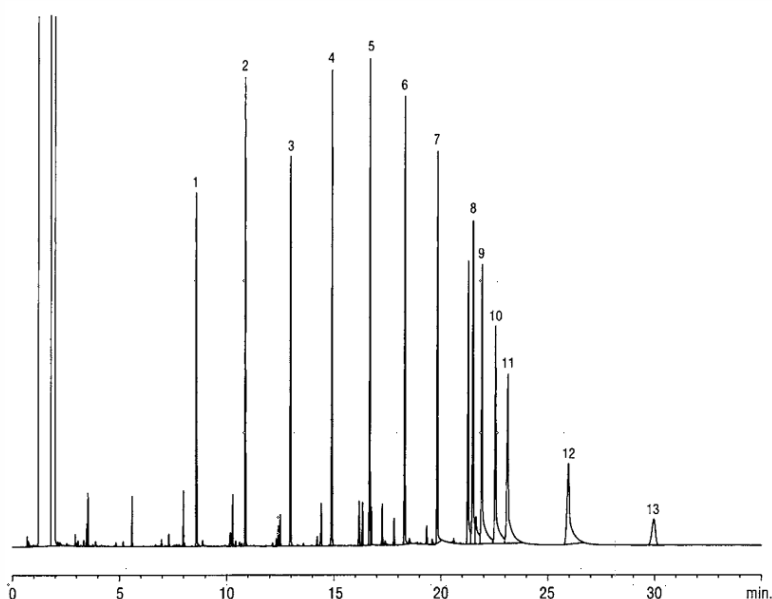
FID

SH Series

SH-PolarD

Analysis of Free Fatty acids

Keywords: Organic acid, Food science



1. C4:0 - Butyric acid
2. C6:0 - Caproic acid
3. C8:0 - Caprylic acid
4. C10:0 - Capric acid
5. C12:0 - Lauric acid
6. C14:0 - Myristic acid
7. C16:0 - Palmitic acid
8. C18:0 - Stearic acid
9. C18:1 - Oleic acid
10. C18:2 - Linoleic acid
11. C18:3 - Linolenic acid
12. C20:0 - Arachidic acid
13. C22:0 - Behenic acid
(100 µg/mL in Methanol)

Instrument	: GC
Column	: SH-PolarD (30 m x 0.32 mm I.D., df = 0.25 µm) , P/N : 227-36321-02
Column temp.	: 40°C (2 min) - 10°C/min - 250°C (15 min)
Inj. vol.	: 1 µL splitless (hold time 0.25 min)
Inj. temp.	: 250°C
Inlet liner	: laminar cup splitter
Carrier gas	: H ₂ , 6.0 mL/min, constant flow
Split flow	: 75 mL/min
Detector	: FID
Detector temp.	: 250°C

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