

CoreFocus
Report
No. 413

GC

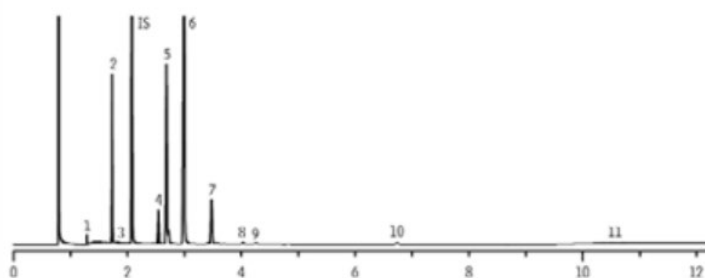
FID

SH Series

SH-PolarWax

Analysis of FAMES in Biodiesel Oils(Soy FAMES)

Keywords: environment, chemical industry, biomass fuel, fatty acid methyl ester



1. Myristic acid
2. Palmitic acid
3. Palmitoleic acid
- 15 Methyl heptadecanoate
4. Stearic acid
5. Oleic acid
6. Linoleic acid
7. Linolenic acid
8. Arachidic acid
9. Gadoleic acid
10. Behenic acid
11. Lignoceric acid

Instrument	: GC
Column	: SH-PolarWax (30 m x 0.32 mm I.D. df = 0.25 µm), P/N: 221-75972-30
Column Temp.	: 210 °C (5 min) - 20 °C/min - 230 °C (5 min)
Carrier Gas	: H ₂ , 3 mL/s constant flow mode, 60 cm/s linear velocity mode
Inj. Temp.	: 250 °C
Detector	: FID, 250 °C
Inj. Vol.	: 1 µL
Split Ratio	: 1:100

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