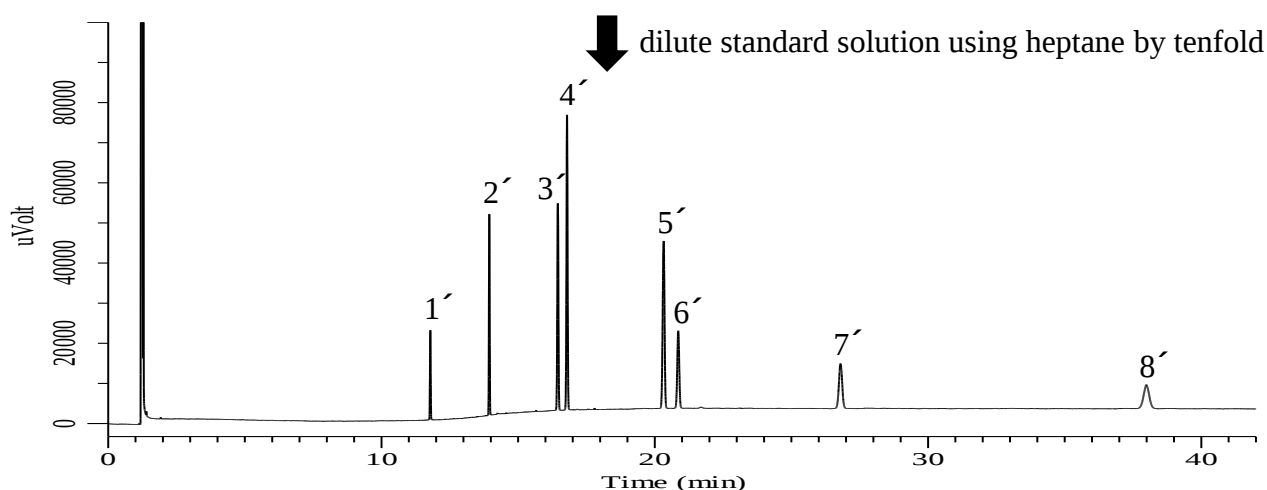
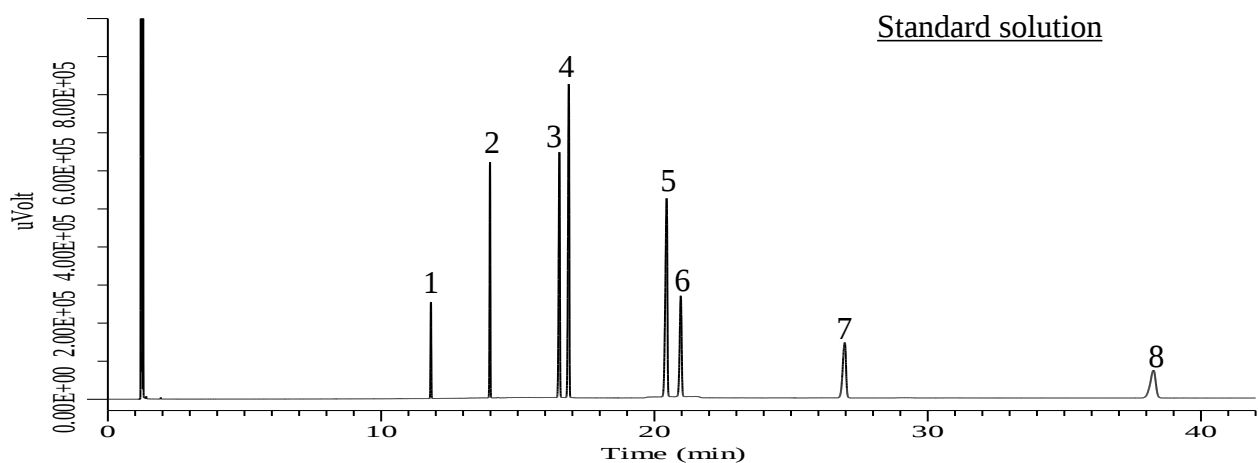


InertSearch™ for GC

InertCap® Applications

Analysis of Polysorbate 20

Data No. GA 289-0955



Conditions

System : GC-FID
Column : InertCap Pure-WAX
0.25 mm I.D. x 30 m df = 0.5 µm
Col. Temp. : 80 °C - 10 °C/min - 220°C (40 min)
Carrier Gas : He 1.10 mL/min
Injection : Split 1:50
250 °C
Injection Vol. : 1 µL
Detection : FID Auto Range
250 °C
Sample : Standard
Analyte in Heptane

Analyte

1. Myristic acid methyl ester
2. Palmitic acid methyl ester
3. Stearic acid methyl ester
4. Oleic acid methyl ester
5. Arachidic acid methyl ester
6. Eicosenoic acid methyl ester
7. Behenic acid methyl ester
8. Lignoceric acid methyl ester

Resolution (3, 4) : 4.21 (≥ 1.8)
Theoretical plates (3) : 690,723 (≥ 30,000)
Signal-to-noise ratio (1') : 229 (≥ 5)