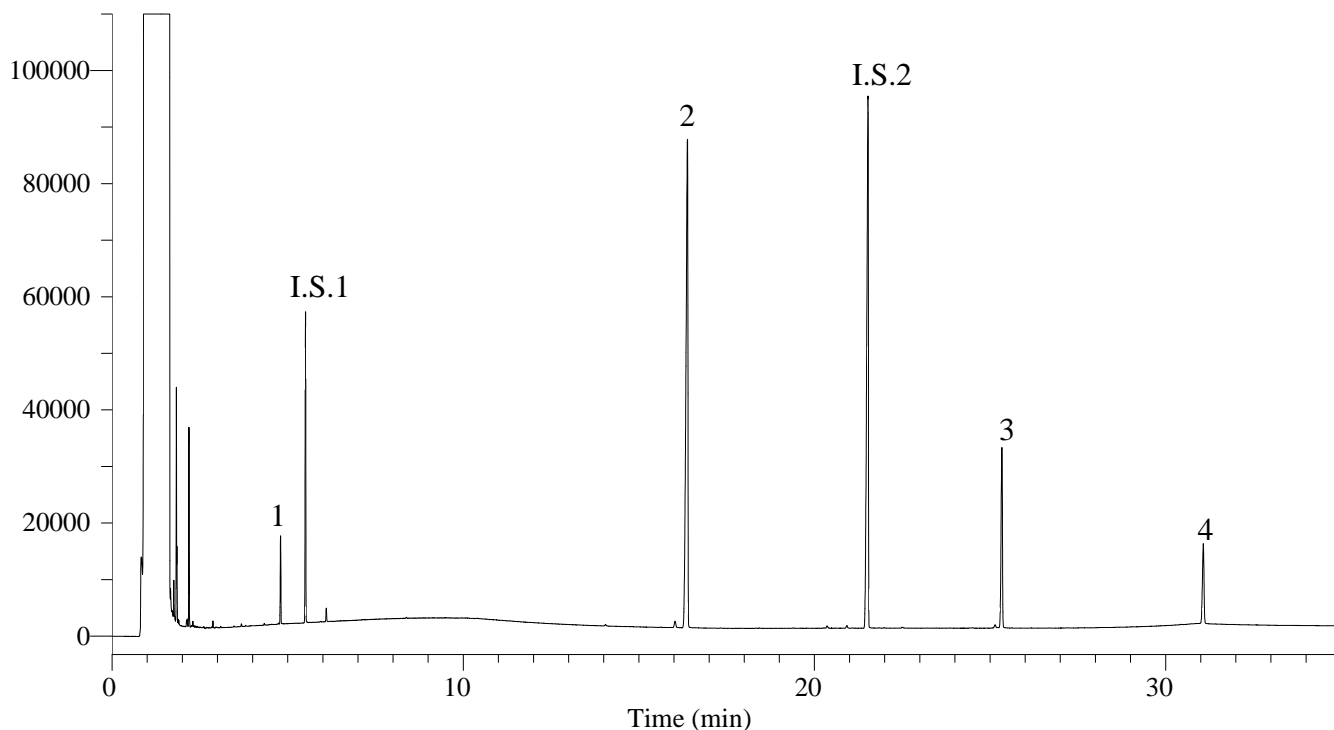


InertSearch™ for GC

InertCap® Applications

Glycerol and Mono-, Di-, Triglyceride by EN14105

Data No. GA180-0874



Conditions

System : GC/FID OPTIC3

Column : InertCap 5 (Tailor-made column of high temperature)
0.32 mm I.D. x 15 m df = 0.1 µm
Deactivated fused silica capillary tube
0.53 mm I.D. x 2 m

Col. Temp. : 50 °C (1 min hold) - 15 °C/min - 180 °C - 7 °C/min -
230 °C - 10 °C/min - 370 °C (5 min hold)

Carrier Gas : He 3.0 mL/min

Injection : On-column
50 °C (30 sec hold) - 10 °C/sec - 300 °C (120 sec) - 50 °C

Detection : FID Range 10⁰
380 °C

Sample Size : Analyte in Heptane
1.0 µL

| | | | |
|----------------|----------|--|------------|
| Analyte | : 1. | Glycerol | 2.4 µg/mL |
| | : 2. | 1-Monooleoylglycerol (monoolein) | 70 µg/mL |
| | : 3. | 1,3-dioleoylglycerol (diolein) | 24 µg/mL |
| | : 4. | 1,2,3-Trioleoylglycerol (triolein) | 18 µg/mL |
| | : I.S.1. | 1,2,4-Butanetriol | 750 µg/mL |
| | : I.S.2. | 1,2,3-Tricaproylglycerol (tricaprin) (Deriv. by MSTFA) | 1200 µg/mL |