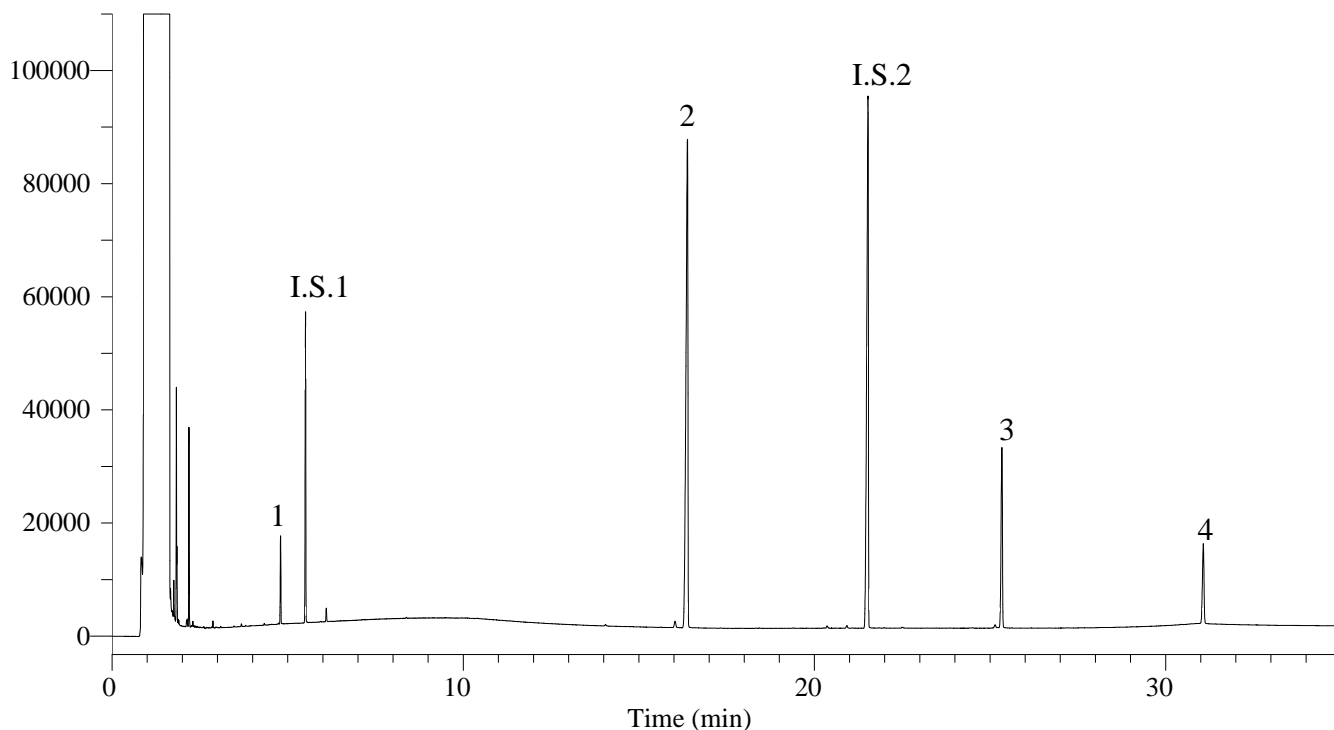


InertSearch™ for GC

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-Trioyleoylglycerol (triolein)	18 µg/mL
	I.S.1.	1,2,4-Butanetriol	750 µg/mL
	I.S.2.	1,2,3-Tricaproylglycerol (tricaprin)	1200 µg/mL
		(Deriv. by MSTFA)	