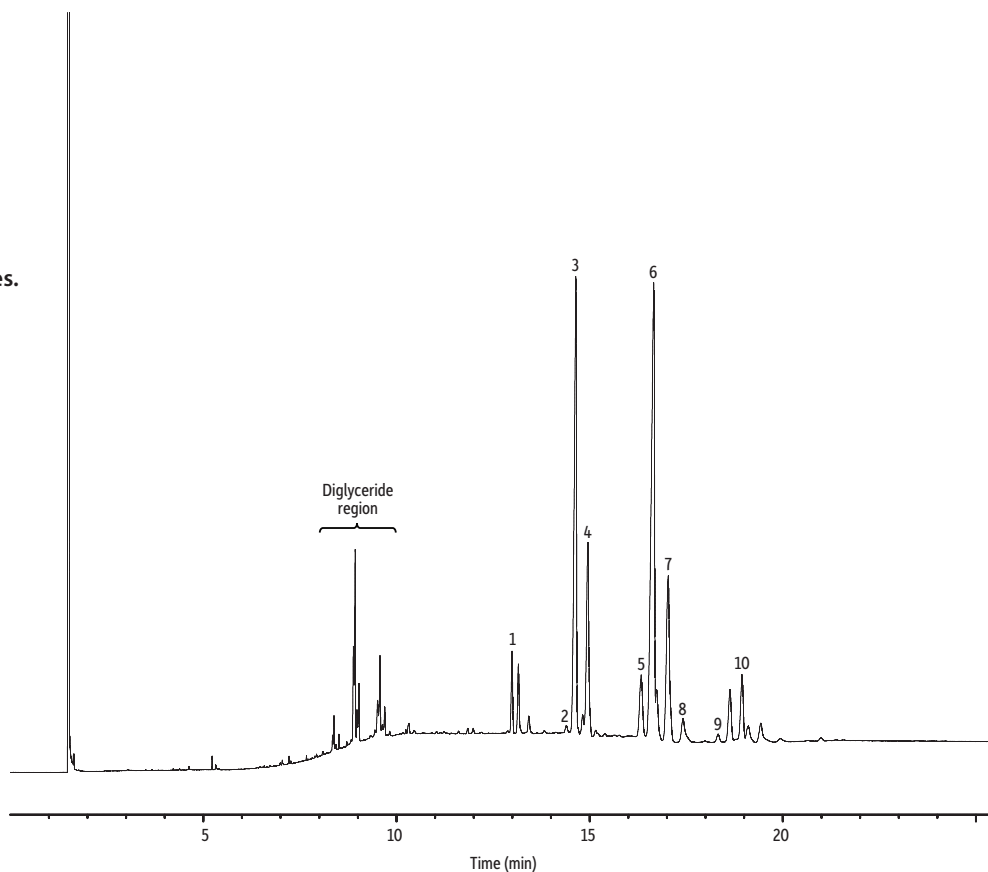


Palm Oil on Rxi-65TG (30 m x 0.32 mm x 0.1 µm)

- Low bleed.
- High thermal stability.
- Separation of triglycerides.



GC_FF1342

Peaks	tr (min)	Peaks	tr (min)
1. Tripalmitin (PPP)	12.988	6. 1,2-Olein-3-palmitin (POO)	16.656
2. 1,2-Palmitin-3-stearin (PPS)	14.395	7. 1-Palmitin-2-linolein-3-olein (PLO)	17.035
3. 1,3-Palmitin-2-olein (POP)	14.640	8. 1,2-Linolein-3-palmitin (PLL)	17.416
4. 1,2-Palmitin-3-linolein (PPL)	14.953	9. 1,2-Stearin-3-olein (SOS)	18.322
5. 1-Palmitin-2-olein-3-stearin (POS)	16.331	10. Triolein (OOO)	18.940

Column Rxi-65TG, 30 m, 0.32 mm ID, 0.10 µm (cat.# 17109)
Sample Palm oil
Diluent: Isoocatane
Conc.: ~5 mg/mL
Injection
 Inj. Vol.: 1 µL split (split ratio 25:1)
 Liner: Topaz 4.0 mm ID Precision inlet liner w/wool (cat.# 23305)
 Inj. Temp.: 360 °C
Oven
 Oven Temp.: 200 °C (hold 1.2 min) to 350 °C at 21.7 °C/min to 365 °C at 1.2 °C/min (hold 5 min)
Carrier Gas H₂, constant flow
 Flow Rate: 1.28 mL/min
 Dead Time: 1.4331 min
Detector FID @ 365 °C
Make-up Gas
 Flow Rate: 30 mL/min
Make-up
 Gas Type: N₂
 Hydrogen flow: 40 mL/min
 Air flow: 370 mL/min
 Data Rate: 50 Hz
Instrument Agilent 7890B GC
Notes Sample Preparation: ~50 mg of palm oil was diluted to 10 mL with isoocatane.