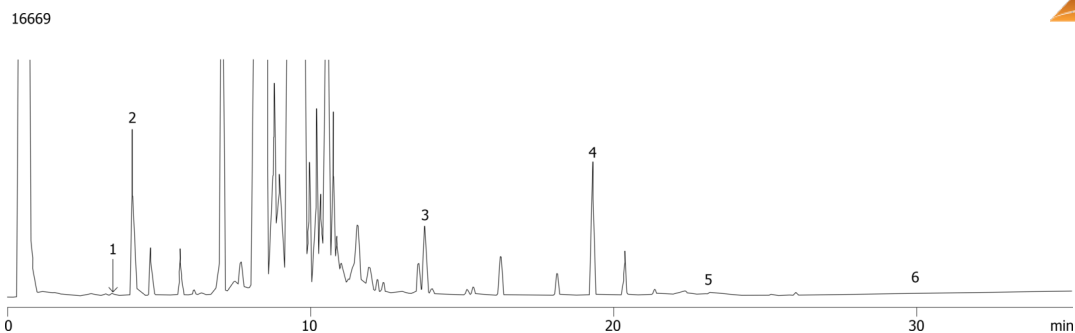


EN 141 05: Free and Total Glycerin Analysis in Biodiesel on ZB-5HT

Column: ZebronTM ZB-5HT, GC Cap. Column 15 m x 0.32 mm x 0.10 μ m, Ea
Phase: 5% Phenyl 95% Dimethylpolysiloxane
Dimensions: 15 meters x 0.32 mm x 0.1 μ m
Order No: 7EM-G015-02
Oven Profile: 50 °C for 1 min to 180 °C @ 15 °C/min to 230 °C @ 7 °C/min to 370 °C @ 10 °C/min (hold 5 min)
Carrier Gas: Constant Flow Helium, 5.79 cm/sec
Injection: On-Column :1 1 μ L @ 50°C
Detection: Flame Ionization (FID) (380°C)
Detector Info: Provided by Shimadzu CSC (Japan)

**Products used in this application:**

Analyst Note: A 5 m x 0.53 mm Guard Column was connected to the analytical column

**ANALYTES:**

- 1 Glycerol
- 2 Butanetriol
- 3 Monoolein
- 4 Tricarpin
- 5 Diolein
- 6 Triolein

