

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

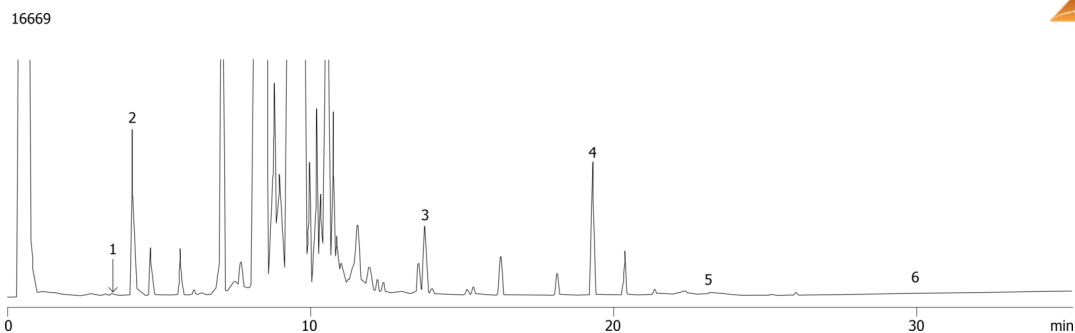
**Column:** Zebtron™ ZB-5HT, GC Cap. Column 15 m x 0.32 mm x 0.10 μm, Ea  
**Phase:** 5% Phenyl 95% Dimethylpolysiloxane  
**Dimensions:** 15 meters x 0.32 mm x 0.1 μm  
**Order No:** 7EM-G015-02  
**Oven Profile:** 50 °C for 1 min to 180 °C @ 15 °C/min to 230 °C @ 7 °C/min to 370 °C @ 10 °C/min (hold 5 min)  
**Carrier Gas:** Constant Flow Helium, 5.79 cm/sec  
**Injection:** On-Column :1 1 μL @ 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

