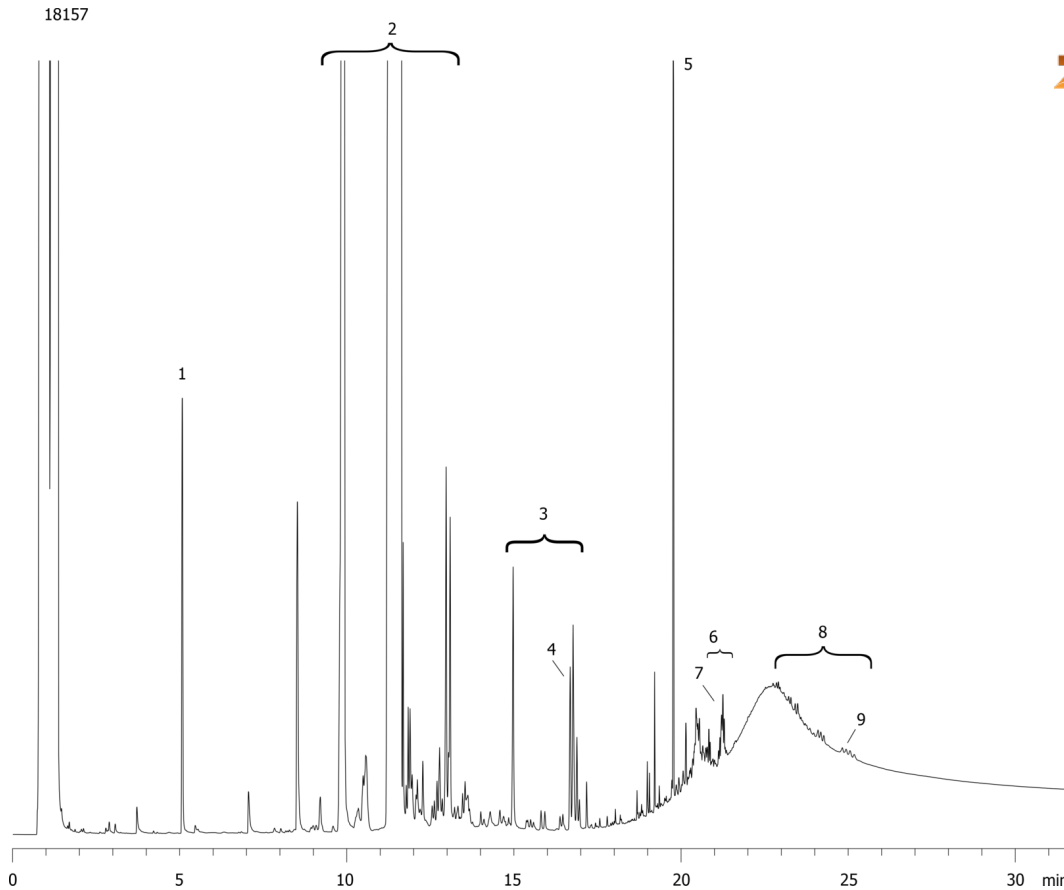


## ASTM D6584: Free and Total Glycerin in B-99.9 Biodiesel Methyl Esters on ZB-35HT

**Column:** Zebtron™ ZB-35HT, GC Cap. Column 15 m x 0.25 mm x 0.10 µm, Ea  
**Phase:** 35% Phenyl 65% Dimethylpolysiloxane  
**Dimensions:** 15 meters x 0.25 mm x 0.1 µm  
**Order No:** 7EG-G025-02  
**Oven Profile:** 50 °C for 1 min to 180 °C @ 15 °C/min to 230 °C @ 7 °C/min to 380 °C @ 30 °C/min for 10 min  
**Carrier Gas:** Constant Flow Helium, 1.3 mL/min  
**Injection:** On-Column :1 0.1 µL @ 53°C  
**Detection:** Flame Ionization (FID) (380°C)  
**Analyst Note:** A 30 cm x 0.53 mm i.d. Guard Column was connected to the analytical column per ASTM method requirements.



Products used in this application:



### ANALYTES:

- 1 Butanetriol
- 2 Ester
- 3 Monoglycerides
- 4 1-Monooleoyl-rac-glycerol
- 5 Tricaprin
- 6 Diglycerides
- 7 1,3-Diolein
- 8 Triglycerides
- 9 Triolein

