

## USP Glycerin Purity Assay on ZB-BAC-1

**Column:** Zebtron™ ZB-BAC-1, GC Cap. Column 30 m x 0.53 mm x 3.00 μm, Ea

**Phase:** Proprietary Blood Alcohol Phase

**Dimensions:** 30 meters x 0.53 mm x 3 μm

**Order No:** 7HK-G021-36

**Oven Profile:** 100 °C for 4 min to 120 °C @ 50 °C/min for 10 min to 220 °C @ 50 °C/min for 6 min

**Carrier Gas:** Constant Flow Helium, 4.5 mL/min

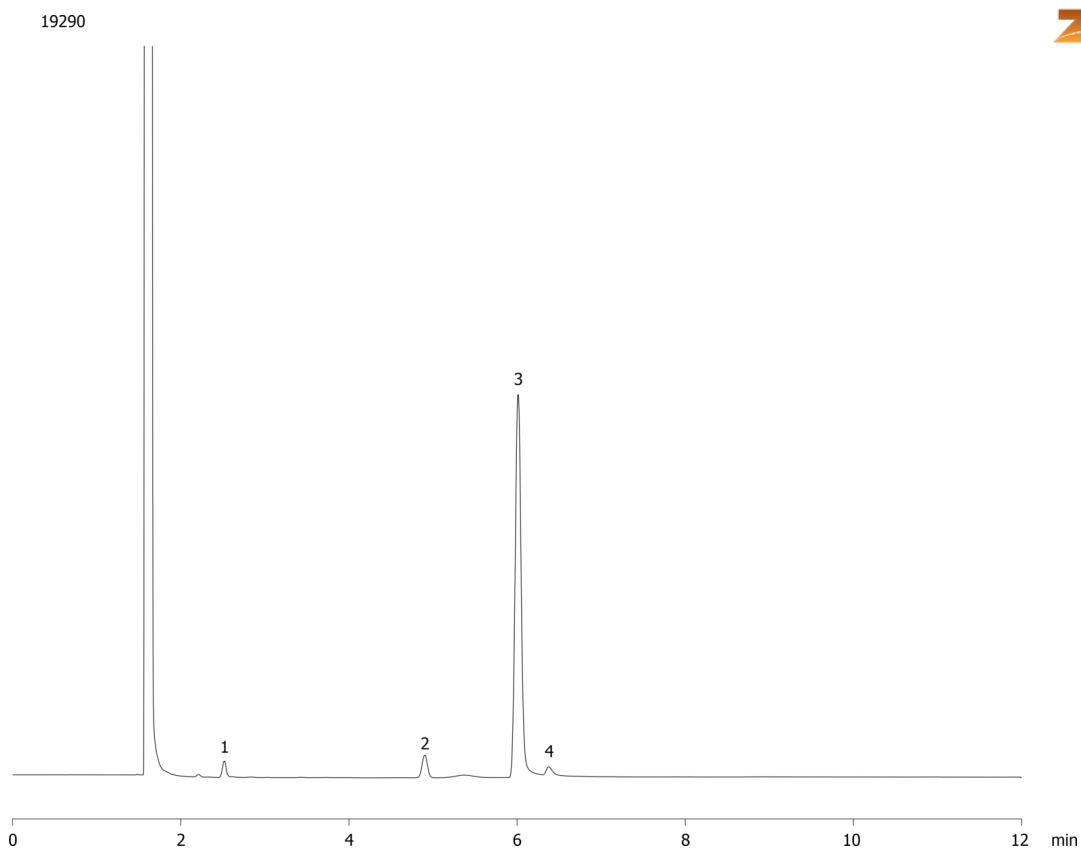
**Injection:** Split 10:1 1 μL @ 220°C

**Detection:** Flame Ionization (FID) (250°C)

**Analyst Note:** Concentrations were 2.0 mg/mL Glycerin, 0.050 mg/mL ethylene glycol, 0.050 mg/mL diethylene glycol, and 0.10 mg/mL 2,2,2-trichloroethanol (IS)  
Run as a dual column analysis with ZB-BAC-2  
Resolution = 3.04 between glycerin and diethylene glycol



Products used in this application:



### ANALYTES:

- 1 Ethylene glycol
- 2 2,2,2-Trichloroethanol
- 3 Glycerin
- 4 Diethylene glycol

