

# GC Application

ID No.: 16048

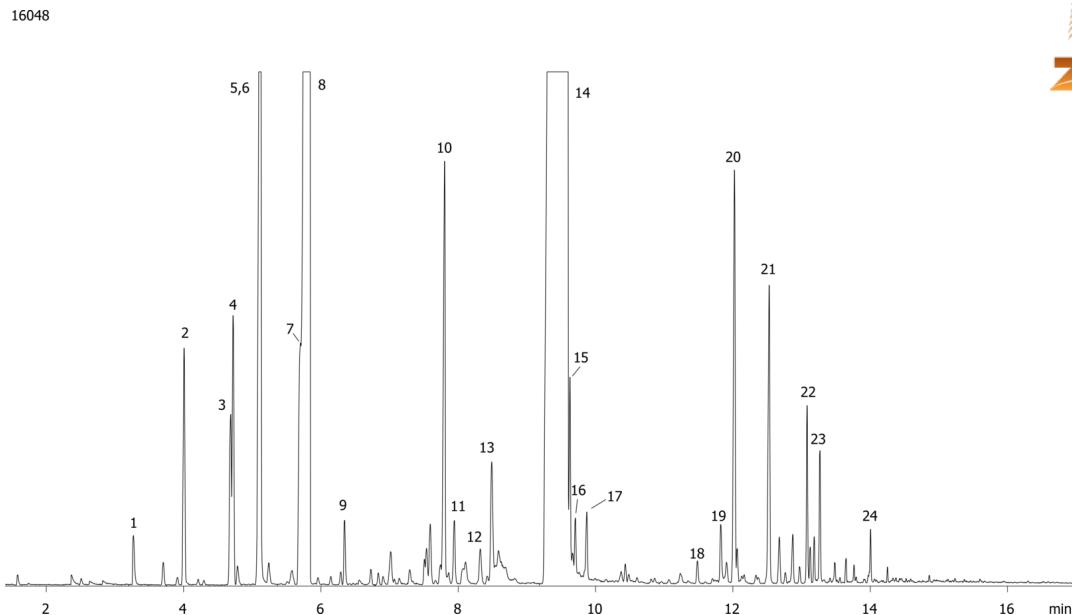
## Spearmint Oil on ZB-1MS

**Column:** Zebron<sup>™</sup> ZB-1MS, GC Cap. Column 10 m x 0.10 mm x 0.10 µm, Ea  
**Phase:** 100% Dimethylpolysiloxane  
**Dimensions:** 10 meters x 0.1 mm x 0.1 µm  
**Order No:** 7CB-G011-02  
**Oven Profile:** 45°C for 2 min to 130°C at 8°C/min to 200°C at 30°C/min for 2 min

**Carrier Gas:** Constant Flow Helium, 0.4 mL/min  
**Injection:** Split 120:1 0.2 µL @ 160°C  
**Detection:** Mass Selective (MSD) (0°C)  
**Analyst Note:** Sample was 10% in dichloromethane.



Products used in this application:



## Spearmint Oil on ZB-1MS

### ANALYTES:

- 1 2,5-Diethyltetrahydrofuran
- 2  $\alpha$ -Pinene
- 3 Sabinene
- 4  $\beta$ -Pinene
- 5  $\beta$ -Myrcene
- 6 3-Octanol
- 7 Eucalyptol
- 8 Limonene
- 9 cis-Sabinene hydrate
- 10 Menthone
- 11 Isomenthone
- 12 4-Terpineol
- 13 Dihydrocarveol
- 14 Carvone
- 15 Piperitenone
- 16 trans-Carvone oxide
- 17 cis-Carvone oxide
- 18 Carvyl acetate
- 19 cis-Jasmone
- 20  $\beta$ -Bourbonene
- 21 Caryophyllene
- 22  $\beta$ -Farnesene
- 23 Germacrene D
- 24 Caryophyllene oxide

