

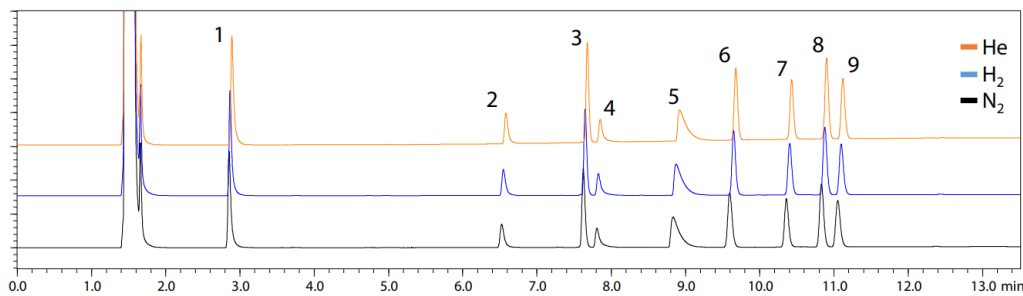
CoreFocus
Report
No.346

GC FID AOC SH Series

SH-PolarWax

**Comparison of Separation Performance
with Various Carrier Gases**

Keywords: Grob test mixture



Grob Test Mix
1. Decane
2. Nonanal
3. Octanol
4. 2,3-Butanediol
5. Dicyclohexylamine
6. Methylaurate
7. Xylidine
8. 2,6-Dimethylphenol
9. 2-Ethylhexanoicacid
(10 ppm each)

Main Unit	: Nexis™ GC-2030 / AOC-20i Plus
Injection Volume	: 0.5 µL
Injection Mode	: Split
Split Ratio	: 1:39
Injection Temp.	: 260 °C
Carrier Gas	: H ₂ / He / N ₂
Carrier Gas Control	: Linear Velocity (20, 30, 40, 50 cm/s)
Column	: SH-PolarWax (30 m x 0.25 mm I.D. df = 0.50 µm), P/N: 227-36248-01
Column Temp.	: 70 °C (2 min) - 20 °C/min - 180 °C - 5 °C/min - 200 °C (15 min)
Detector	: Hydrogen gas flame ionization detector (FID)
Detector Temp.	: 260 °C
Detector Gas	: H ₂ 32.0 mL/min, Air 200 mL/min
Makeup Gas	: When using H ₂ /N ₂ carrier gas N ₂ (24 mL/min) When using He carrier gas He (24 mL/min)

Source : Application News G328 ([JP](#), [ENG](#))

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