Stabilwax®-MS Columns (fused silica)

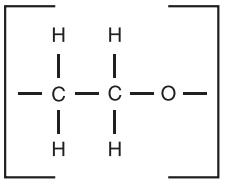
NEW!

- High-polarity, stable polyethylene glycol (PEG) stationary phase.
- Low bleed and rugged enough to withstand repeated temperature cycles without retention time shifting.
- Ideal for food, flavor, fragrance, and industrial chemical and solvent analysis.
- Temperature range: 40 °C to 250/260 °C.
- Equivalent to USP G14, G15, G16, G20, and G39 phases.

New Stabilwax®-MS columns ensure reproducible retention times from run to run, even with temperature cycling. When methods require trace analysis, this highly polar, low-bleed stationary phase produces excellent signal-to-noise levels! Ideal for food and flavor analysis (e.g., essential oils), fragrance and allergen analysis, as well as industrial solvent and chemical analysis.

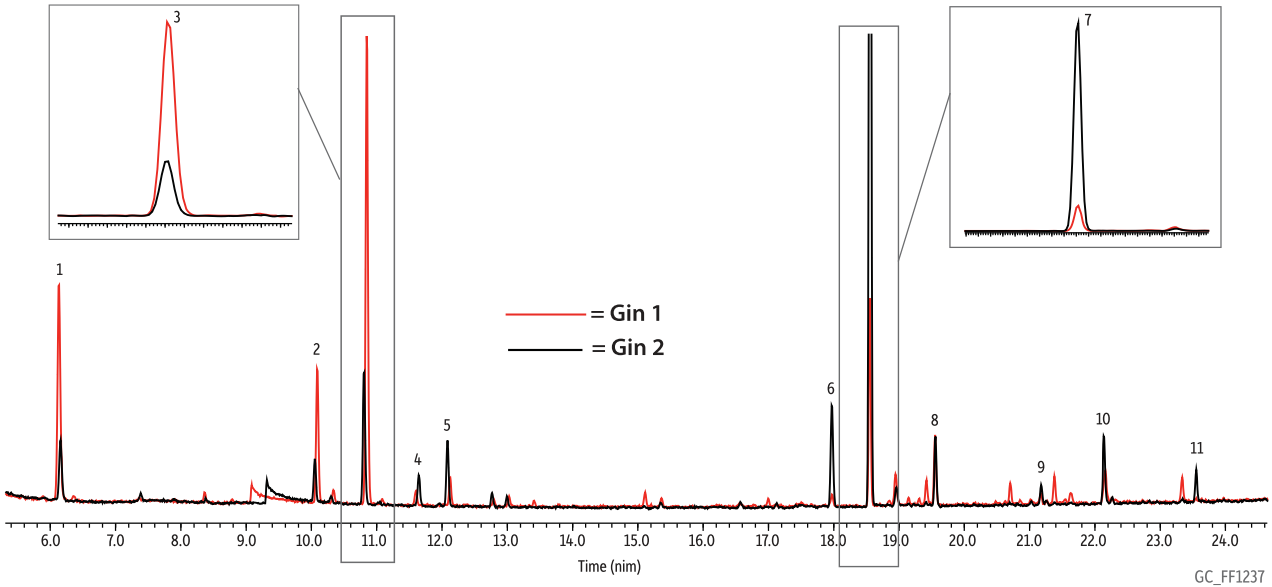
ID	df	30-Meter cat.#
0.25 mm	0.25 µm	10673
0.32 mm	0.25 µm	10674

Stabilwax®-MS Structure



also available
Stabilwax®-DA and Stabilwax®-DB Columns
See **pages 98 and 102.**

Two Brands of Gin on Stabilwax®-MS (Overlay)



GC_FF1237

Column	Stabilwax®-MS, 30 m, 0.25 mm ID, 0.25 µm (cat.# 10673)
Sample	Two different brands of gin
Conc.:	Neat
Injection	
Inj. Vol.:	1 µL split (split ratio 20:1)
Liner:	Sky® 3.5 mm Precision® liner w/wool (cat.# 23320.1)
Inj. Temp.:	250 °C
Oven	
Oven Temp.:	35 °C (hold 5 min) to 250 °C at 7 °C/min (hold 5 min)
Carrier Gas	He, constant linear velocity
Linear Velocity:	36 cm/sec
Detector	MS
Mode:	Scan

Scan Program:

Group	Start Time (min)	Scan Range (amu)	Scan Rate (scans/sec)
1	0.5	40-550	2

Transfer Line Temp.:	260 °C
Analyzer Type:	Quadrupole
Source Temp.:	250 °C
Solvent Delay Time:	0.5 min
Ionization Mode:	EI
Instrument	Shimadzu 2010 GC & QP2010+ MS

Peaks	t_R (min)
1. α-Pinene	6.16
2. Beta-myrcene	10.05
3. D-Limonene	10.81
4. Isoamyl alcohol*	11.64
5. γ-Terpinene	12.08
6. Camphor*	17.97
7. Linalool	18.56
8. 4-Terpineol	19.56
9. α-Terpineol*	21.18
10. Nerol acetate*	22.14
11. Geraniol*	23.55

* Not found in gin represented by red trace.