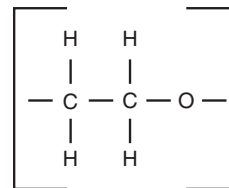


Stabilwax® Columns (fused silica)

(polar phase; Crossbond® Carbowax® polyethylene glycol)

- Most stable polyethylene glycol (PEG) column available.
- Rugged enough to withstand repeated water injections.
- Lowest bleed PEG column on the market; long column lifetimes are assured
- Temperature range: 40 °C to 260 °C.
- Equivalent to USP G14, G15, G16, G20, and G39 phases.

Restek's polar-deactivated surface tightly binds the Carbowax® polymer and increases thermal stability, relative to competitive columns. Because of the increased stability produced by the bonding process, Stabilwax® columns exhibit long column lifetimes, even when programming repeatedly up to 260 °C. The bonding mechanism of the column also produces polar compound retention times that do not shift as is often observed on other wax-type columns. In addition, this bonding mechanism produces a column that can be rejuvenated by solvent washing. Stabilwax® columns are used for a wide range of compounds and matrices including: FAMES, flavor compounds, essential oils, solvents, aromatics including xylene isomers, acrolein/acrylonitrile (EPA 603), and oxygenated compounds. Also used for purity testing of chemicals and analyzing impurities in water matrices and alcoholic beverages.

Stabilwax® Structure**manufacturing procedure**

Better column-to-column reproducibility

similar phases

DB-WAX, DB-WAXetr, HP-Wax, HP-Innowax, Supelcowax 10, CP-Wax 52 CB

Six columns for the price of five!

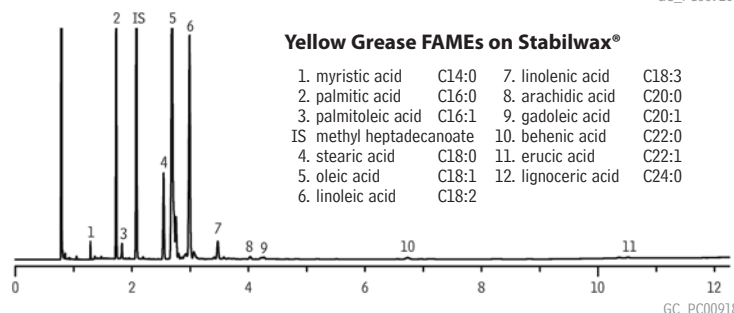
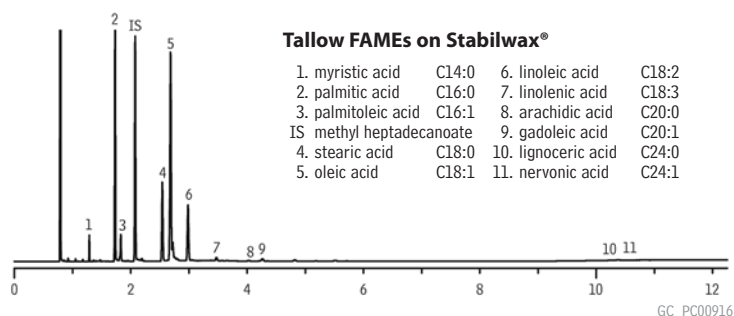
Call 800-356-1688, ext. 4, or your Restek representative for details!

also available**Metal MXT® Columns**

Rugged, flexible, Silcosteel® treated stainless steel tubing; inertness comparable to fused silica tubing. See **page 118** for our MXT®-WAX columns.

ID	df	temp. limits	15-Meter	30-Meter	60-Meter
0.25mm	0.10µm	40 to 250/260°C	10605	10608	10611
	0.25µm	40 to 250/260°C	10620	10623	10626
	0.50µm	40 to 250/260°C	10635	10638	10641
0.32mm	0.25µm	40 to 250/260°C	10621	10624	10627
	0.50µm	40 to 250/260°C	10636	10639	10642
	1.00µm	40 to 240/260°C	10651	10654	10657
0.53mm	0.25µm	40 to 250/260°C	10622	10625	10628
	0.50µm	40 to 250/260°C	10637	10640	10643
	1.00µm	40 to 240/260°C	10652	10655	10658
	1.50µm	40 to 230/240°C	10666	10669	10672
	2.00µm	40 to 220/230°C	10667	10670	

ID	df	temp. limits	10-Meter	20-Meter
0.10mm	0.10µm	40 to 250/260°C	42601	
0.18mm	0.18µm	40 to 250/260°C		40602

FAMES in biodiesel oils on a Stabilwax® column.

Column: Stabilwax®, 30m, 0.32mm ID, 0.25µm (cat.# 10624)
 Sample: various sources of biodiesel (B100), prepared according to European Method EN 14103
 Inj.: 1.0µL split (split ratio 100:1), Cyclosplitter® inlet liner (cat.# 20706)
 Inj. temp.: 250°C
 Carrier gas: hydrogen, constant flow, 3mL/min.
 Linear velocity: 60cm/sec.
 Oven temp.: 210°C (hold 5 min.) to 230°C @ 20°C/min. (hold 5 min.)
 Det.: FID @ 250°C

See page 646 for Soy FAMES and Rapeseed FAMES analysis.