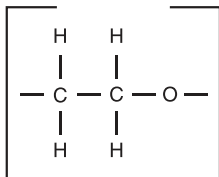


Stabilwax® Structure



similar phases

HP-INNOWax, CP-Wax 52 CB, VF-WAX MS, ZB-WAXplus

Stabilwax® Columns (fused silica)

(polar phase; Crossbond® polyethylene glycol)

- Rugged enough to withstand repeated water injections.
- Low-bleed PEG column ensures long column lifetimes.
- 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.

Six columns for the price of five!

Call 800-356-1688, ext. 3, or your Restek representative for details!

also available



Metal MXT® Columns

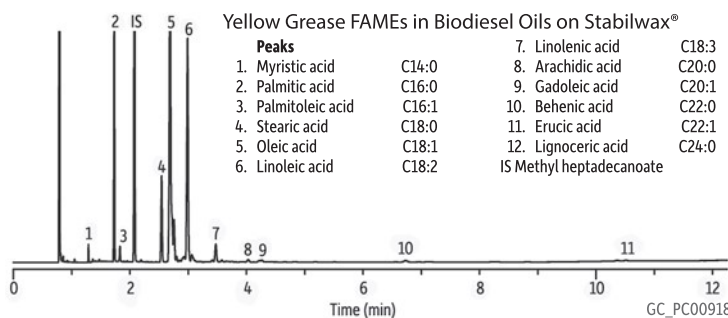
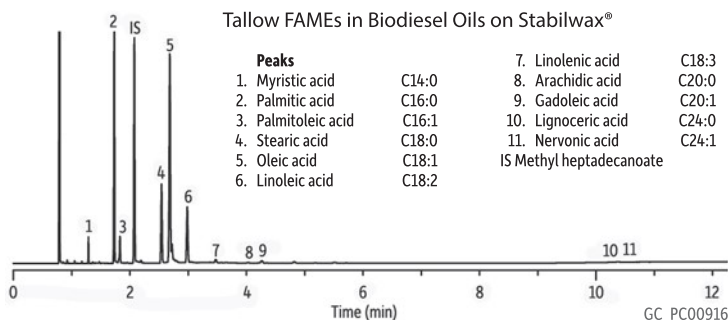
Rugged, flexible, Siltek®-treated stainless steel tubing; inertness comparable to fused silica tubing.

MXT®-WAX columnspage 110

ID	df	temp. limits	15-Meter			30-Meter			60-Meter									
			cat.#	cat.#	cat.#	cat.#	cat.#	cat.#	cat.#	cat.#	cat.#							
0.25 mm	0.10 µm	40 to 250/260 °C	10605	10608	10611	0.25 mm	0.25 µm	40 to 250/260 °C	10620	10623	10626	0.25 mm	0.50 µm	40 to 250/260 °C	10635	10638	10641	
	0.25 µm	40 to 250/260 °C	10620	10623	10626		0.25 µm	40 to 250/260 °C	10621	10624	10627		0.25 µm	40 to 250/260 °C	10621	10624	10627	
	0.50 µm	40 to 250/260 °C	10635	10638	10641		0.50 µm	40 to 250/260 °C	10636	10639	10642		0.50 µm	40 to 250/260 °C	10636	10639	10642	
0.32 mm	0.25 µm	40 to 250/260 °C	10621	10624	10627	0.32 mm	1.00 µm	40 to 240/250 °C	10651	10654	10657	0.32 mm	0.50 µm	40 to 250/260 °C	10636	10639	10642	
	0.50 µm	40 to 250/260 °C	10636	10639	10642		0.50 µm	40 to 250/260 °C	10622	10625	10628		0.50 µm	40 to 250/260 °C	10637	10640	10643	
	1.00 µm	40 to 240/250 °C	10651	10654	10657		1.00 µm	40 to 240/250 °C	10652	10655	10658		1.00 µm	40 to 240/250 °C	10652	10655	10658	
0.53 mm	0.25 µm	40 to 250/260 °C	10622	10625	10628	0.53 mm	1.50 µm	40 to 230/240 °C	10666	10669	10672	0.53 mm	2.00 µm	40 to 220/230 °C	10667	10670		
	0.50 µm	40 to 250/260 °C	10637	10640	10643		2.00 µm	40 to 220/230 °C	10667	10670			0.15 mm	0.15 µm	40 to 250/260 °C	43830	43831	
	1.50 µm	40 to 230/240 °C	10666	10669	10672		0.18 mm	0.18 µm	40 to 250 °C		40602							

*Maximum temperatures listed are for shorter length columns. Longer columns may have a different maximum temperature.

FAMES in Biodiesel Oils on Stabilwax®



Column: Stabilwax®, 30 m, 0.32 mm ID, 0.25 µm (cat.# 10624)
 Sample: Tallow source of biodiesel (B100), prepared according to European Method EN 14103

Injection: Inj. Vol.: 1.0 µL split (split ratio 100:1)
 Liner: Cyclo splitter® (cat.# 20706)
 Inj. Temp.: 250 °C
 Oven: Oven Temp.: 210 °C (hold 5 min) to 230 °C at 20 °C/min (hold 5 min)
 Carrier Gas: H₂, constant flow
 Flow Rate: 3 mL/min
 Linear Velocity: 60 cm/sec
 Detector: FID @ 250 °C

Visit www.restek.com for soy FAMES and rapeseed FAMES analyses.