

VertiBond™ AqWAX Capillary Columns

- Nitroterephthalic acid-modified Polyethylene glycol (PEG)
- High polar stationary phase
- High temperature to 250 °C
- High efficiency, high inertness columns

VertiBond™ AqWAX column contains Nitroterephthalic acid-modified Polyethylene Glycol stationary phase. This modified high polar phase resists damage by water-based samples and ideal for the analysis of acidic compounds, such as phenols, and derivatized or un-derivatized free fatty acids.



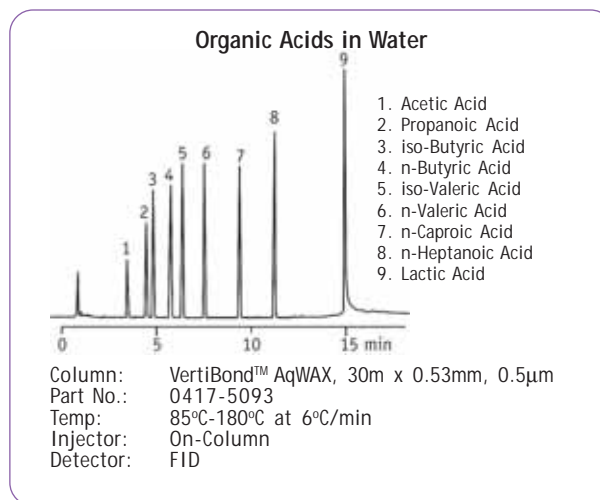
VertiBond™ AqWAX Capillary Columns					
Length (m)	I.D. (mm)	Film (µm)	Temp. Limits (°C)	Part No.	
10	0.25	0.20	260/275	0417-2040	
		0.30	260/275	0417-3060	
		1.20	260/275	0417-5120	
15	0.25	0.10	260/275	0417-2001	
		0.20	260/275	0417-2041	
	0.32	0.25	260/275	0417-2051	
		0.50	260/275	0417-2091	
		0.10	260/275	0417-3001	
		0.25	260/275	0417-3051	
		0.30	260/275	0417-3061	
		0.50	260/275	0417-3091	
		1.00	260/275	0417-3111	
		0.53	0.10	260/275	0417-5001
25	0.25	0.20	260/275	0417-2042	
		0.30	260/275	0417-3062	
	0.53	1.00	260/275	0417-5112	
		1.20	260/275	0417-5122	
		1.50	260/275	0417-5151	
		0.20	260/275	0417-2043	
		0.25	260/275	0417-2053	
		0.50	260/275	0417-2093	
		0.32	0.10	260/275	0417-3003
		0.25	260/275	0417-3053	
0.50	260/275	0417-3093			
30	0.25	0.10	260/275	0417-2003	
		0.20	260/275	0417-2043	
	0.53	0.10	260/275	0417-5003	
		0.25	260/275	0417-5053	

VertiBond™ AqWAX Specifications

Phase:	Nitroterephthalic acid-modified Polyethylene glycol (PEG)
Polarity:	High Polar
USP Designation:	G25, G35
Ideal for:	Free Fatty Acids

VertiBond™ AqWAX equivalent phase

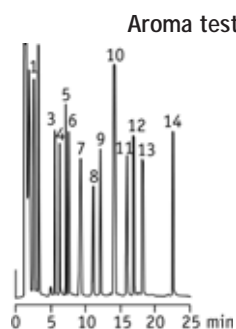
Restek	Stabilwax-DA
Agilent	HP-FFAP, DB-FFAP, DB-WAXetr
Supelco	SP-1000, Nukol
Alltech	AT-1000, AT-AquaWax
SGE	BP21
Varian	CP-WAX58CB
Ohio Valley	OV-351
Phenomenex	ZB-FFAP



VertiBond™ AqWAX

Capillary Columns

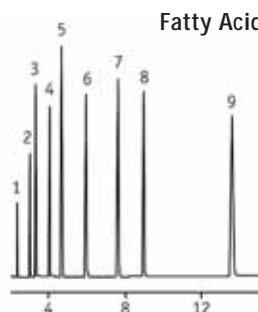
VertiBond™ AqWAX Capillary Columns					
Length (m)	I.D. (mm)	Film (µm)	Temp. Limits (°C)	Part No.	
30	0.53	0.50	260/275	0417-5093	
		1.00	260/275	0417-5113	
		1.20	260/275	0417-5123	
		1.50	260/275	0417-5153	
		2.00	260/275	0417-5233	
50	0.25	0.20	260/275	0417-2044	
		0.32	260/275	0417-3064	
60	0.25	0.10	260/275	0417-2005	
		0.20	260/275	0417-2045	
		0.25	260/275	0417-2055	
		0.50	260/275	0417-2095	
		0.32	0.10	260/275	0417-3005
			0.25	260/275	0417-3055
			0.30	260/275	0417-3065
		0.53	0.10	260/275	0417-3095
			0.25	260/275	0417-3115
			0.50	260/275	0417-3155



Aroma test mix

- 1 *trans*-2-Hexenal
- 2 *p*-Cymene
- 3 *cis*-3-Hexenol
- 4 *trans*-2-Hexenol
- 5 Ethyl Octanoate
- 6 1-Octene-3-ol
- 7 Benzaldehyde
- 8 Pentadecane
- 9 Linalool
- 10 Acetophenone
- 11 Carvone
- 12 Hexadecane
- 13 Methyl Salicylate
- 14 Benzyl Alcohol

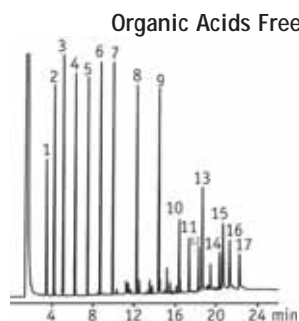
Column: VertiBond™ AqWAX, 10m x 0.25mm, 0.20µm
 Part No.: 0417-2040
 Temp: 50°C to 120°C at 3°C/min
 Detector: FID
 Carrier Gas: Hydrogen at 2.5mL/min



Fatty Acids (Free)

- 1 Acetic acid
- 2 Propionic acid
- 3 Isobutyric acid
- 4 *n*-Butyric acid
- 5 Isovaleric acid
- 6 *n*-Valeric acid
- 7 Isocaproic acid
- 8 Caproic acid
- 9 Heptanoic acid

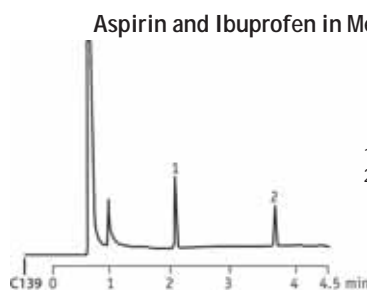
Column: VertiBond™ AqWAX, 30m x 0.25mm, 0.25µm
 Part No.: 0417-2053
 Temp: 145°C
 Injector: 1µL split injection at 250°C (split ratio 50:1)
 Detector: FID
 Carrier Gas: Hydrogen 40cm/sec



Organic Acids Free Fatty Acids

- 1 C2:0-acetic acid
- 2 C3:0-propionic acid
- 3 C4:0-butyric acid
- 4 C5:0-valeric acid
- 5 C6:0-caproic acid
- 6 C7:0-enanthic acid
- 7 C8:0-capric acid
- 8 C10:0-capric acid
- 9 C12:0-lauric acid
- 10 C14:0-myristic acid
- 11 C15:0-pentadecanoic acid
- 12 C16:0-palmitic acid
- 13 C16:1-palmitoleic acid
- 14 C17:0-stearic acid
- 15 C18:1-oleic acid
- 16 C18:2-linoleic acid
- 17 C18:3-linoleic acid

Column: VertiBond™ AqWAX, 30m x 0.53mm, 0.25µm
 Part No.: 0417-5053
 Temp: 280°C
 Injector: 0.5µL direct injection of a 5mg/mL standard at 280°C
 Detector: FID
 Carrier Gas: Helium 40cm/sec (flow rate: 5.2cc/min)



Aspirin and Ibuprofen in Methanol

- 1 Aspirin
- 2 Ibuprofen

Column: VertiBond™ AqWAX, 30m x 0.25mm, 0.25µm
 Part No.: 0417-2053
 Temp: 180°C
 Injector: Split 1:50, 250°C
 Detector: FID 300°C
 Carrier Gas: Hydrogen at 24cm/sec, measured at 180°C