

Zebron® GC Columns

guarantee

ZB-WAX^{PLUS}™

- 100% aqueous stable, excellent for aqueous samples
- Extremely inert for acidic compounds
- Enhanced selectivity for low boiling solvents
- High retention of alcohols and chlorinated solvents
- Increased efficiency at 20 °C
- Bonded and solvent rinsible
- Equivalent to USP Phase G16
- Temperature Limits: 20 to 250/260 °C (Isothermal/TPGC)*

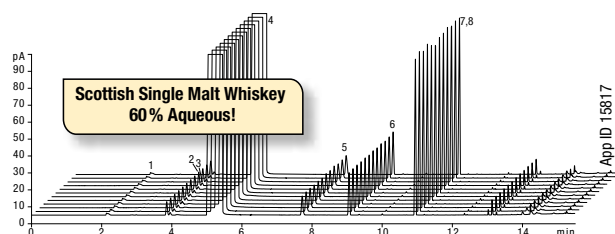
Alternative to Any Polyethylene Glycol Phase:

- | | | |
|-------------|-----------------|--------------------|
| • DB-WAX | • SUPELCOWAX-10 | • Carbowax 20M |
| • PEG 20M | • AT-WAX | • Permabond CW 20M |
| • HP-20M | • CP-WAX 52 CB | • CAM |
| • Stabilwax | • AT-AquaWax | • BP20 |

Enhanced Aqueous Stability

Wax columns provide optimal selectivity for many aqueous soluble compounds such as those found in alcoholic beverages or glycol samples. Historically, Polyethylene Glycol (PEG) phases have been unstable with aqueous samples resulting in poor reproducibility and decreased lifetime. The ZB-WAX^{PLUS} bonding procedure results in exceptional stability to repeated injections of aqueous matrices.

Water Reproducibility of ZB-WAX^{PLUS}



Column: Zebron ZB-WAX^{PLUS}
Dimensions: 30 meter x 0.25 mm x 0.25 µm
Part No.: 7HG-G013-11
Injection: Split 30:1 @ 140 °C, 0.2 µL
Carrier Gas: Helium @ 1.4 mL/min (constant flow)
Oven Program: 35 °C for 5 min to 85 °C @ 10 °C/min to 200 °C @ 25 °C/min for 1 min
Detector: FID @ 200 °C
Sample: 1. Acetaldehyde
 2. Ethyl Acetate
 3. Methanol
 4. Ethanol
 5. Propanol
 6. Isobutanol
 7. 2-Methylbutanol
 8. 3-Methylbutanol

Column Profile



Applications

- | | | |
|-----------------------|------------------------|-------------------|
| • Alcoholic Beverages | • Acids (free) | • Pharmaceuticals |
| • Alcohols | • Essential oils | • Solvents |
| • OVIs | • Flavors / Fragrances | • Xylene Isomers |
| • Aldehydes | • Styrene | |
| • Aromatics | • Glycols | |

Ordering Information

Zebron ZB-WAX^{PLUS} GC Columns

ID(mm)	df(µm)	Temp. Limits °C	Part No.	Price
10-Meter				
0.10	0.10	20 to 250/260	7CB-G013-02	
15-Meter				
0.25	0.25	20 to 250/260	7EG-G013-11	
0.53	1.00	20 to 230/240	7EK-G013-22	
20-Meter				
0.18	0.18	20 to 250/260	7FD-G013-08	
30-Meter				
0.25	0.25	20 to 250/260	7HG-G013-11	
0.25	0.50	20 to 250/260	7HG-G013-17	
0.32	0.25	20 to 250/260	7HM-G013-11	
0.32	0.50	20 to 250/260	7HM-G013-17	
0.32	1.00	20 to 230/240	7HM-G013-22	
0.53	1.00	20 to 230/240	7HK-G013-22	
60-Meter				
0.25	0.15	20 to 250/260	7KG-G013-05	
0.25	0.50	20 to 250/260	7KG-G013-17	
0.25	0.25	20 to 250/260	7KG-G013-11	
0.32	0.25	20 to 250/260	7KM-G013-11	
0.32	0.50	20 to 250/260	7KM-G013-17	
0.53	1.00	20 to 230/240	7KK-G013-22	

Note: If you need a 5 in. cage, simply add a (-B) after the part number, e.g., 7HG-G013-11-B. Some exceptions may apply. Agilent 6850 and some SRI and process GC systems use only 5 in. cages. See p. 91.



ZB-WAX^{PLUS} Test Mix

Part No.: AG-7869

Price:



*Thicker films (≥1.0 µm df) are rated to 230/240 °C (Isothermal/TPGC).

Contact Phenomenex or your local Phenomenex distributor for additional GC products and applications.



Extend column lifetime. Add a Z-guard to your next Zebron GC order.