

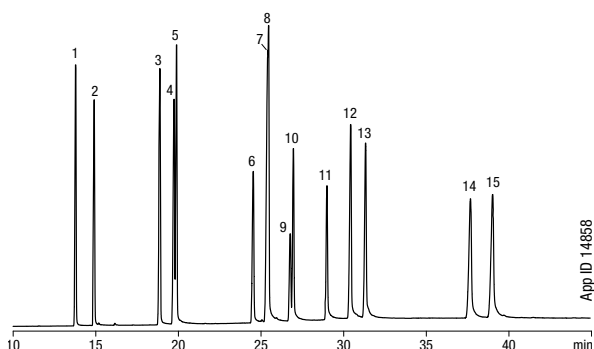
## ZB-FFAP

- High polarity column excellent thermal and chemical stability
- Provides better peak shape for underivatized acids
- Especially suited for organic acids, free fatty acids, and alcohols
- Bonded, solvent rinsable FFAP Phase
- Replaces OV-351
- Close equivalent to USP Phase G35
- Temperature Limits: 40 to 250/260 °C (Isothermal/TPGC)

### Alternative to Any Nitroterephthalic Acid Modified Polyethylene Glycol:

- DB-FFAP
- BP21
- CP-WAX 58 CB
- Stabilwax-DA
- AT-1000
- SPB-1000
- EC-1000
- HP-FFAP
- Nukol
- 007-FFAP
- PE-FFAP
- CP-FFAP-CB

### Unsaturated Free Fatty Acids



**Column:** Zebron ZB-FFAP

**Dimensions:** 60 meter x 0.25 mm x 0.25 µm

**Part No.:** 7KG-G009-11

**Injection:** Split 40:1 @ 220 °C, 0.2 µL

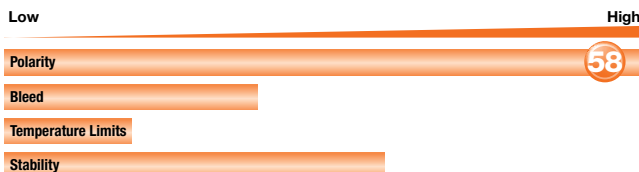
**Carrier Gas:** Helium @ 2.4 mL/min (constant flow)

**Oven Program:** 200 °C to 260 °C @ 2 °C/min for 30 min

**Detector:** FID @ 250 °C

- Sample:**
1. Myristic Acid (C14:0)
  2. Myristoleic Acid (C14:1c)
  3. Palmitic Acid (C16:0)
  4. Palmitoleic Acid (C16:1t)
  5. Palmitoleic Acid (C16:1c)
  6. Stearic Acid (C18:0)
  7. Elaidic Acid (C18:1t)
  8. Oleic Acid (C18:1c)
  9. Linoleic Acid (C18:2t)
  10. Linoleic Acid (C18:2c)
  11. Linolenic Acid (C18:3c)
  12. Arachidic Acid (C20:0)
  13. Gondoic Acid (C20:1c)
  14. Behenic Acid (C22:0)
  15. Erucic Acid (C22:1c)

### Column Profile



### Applications

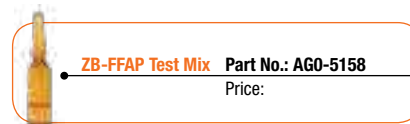
- Acrylates
- Alcohols
- Aldehydes
- Free Fatty Acids
- Ketones
- Volatile Free Acids
- Organic Acids
- Phenols

### Ordering Information

#### Zebron ZB-FFAP GC Columns

ID(mm)	df(µm)	Temp. Limits °C	Part No.	Price
<b>15-Meter</b>				
0.25	0.25	40 to 250/260	7EG-G009-11	
0.32	0.25	40 to 250/260	7EM-G009-11	
0.32	0.50	40 to 250/260	7EM-G009-17	
0.53	1.00	40 to 250/260	7EK-G009-22	
<b>30-Meter</b>				
0.25	0.25	40 to 250/260	7HG-G009-11	
0.32	0.25	40 to 250/260	7HM-G009-11	
0.32	0.50	40 to 250/260	7HM-G009-17	
0.32	1.00	40 to 250/260	7HM-G009-22	
0.53	1.00	40 to 250/260	7HK-G009-22	
<b>50-Meter</b>				
0.32	0.50	40 to 250/260	7JM-G009-17	
<b>60-Meter</b>				
0.25	0.25	40 to 250/260	7KG-G009-11	

Note: If you need a 5 in. cage, simply add a (-B) after the part number, e.g., 7HG-G009-11-B. Some exceptions may apply. Agilent 6850 and some SRI and process GC systems use only 5 in. cages. See p. 91.



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.