ZB-1 GC Columns

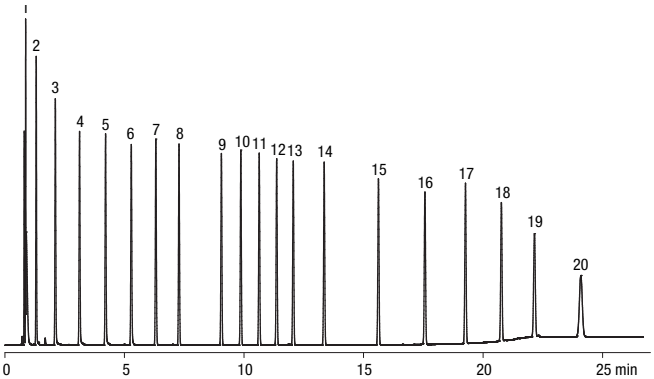
CERTIFIED MS ESC EQUIPPED

- **Temperature Limits: -60 to 360/370 ˚C (Isothermal/TPGC)***
- **Low polarity column**
- **Used for "fingerprinting" and routine quality control analyses (e.g., citrus oils)**
- **Equivalent to USP Phase G2**

Applications		
Amines	Mercaptans	Pesticides
Drugs of abuse	MTBE	Semi-volatiles
Essential oils	Natural gas odorants	Simulated distillation
Ethanol	Oxygenates and GROs	Solvent impurities
Gases (refinery)	PCBs	Sulfur compounds (light)
Hydrocarbons		

Alternative to Any 100 % Dimethylpolysiloxane Phase:						
DB-1	Rtx-1	Rtx-1PONA	BP1	SE-30	DB-1 EVDX	HP-PONA
HP-1	Rtx-1 F&F	SPB-1	007-1	AT-1	DB-2887	HP-101
MET-1	CP-Sil 5 CB	OV-1	Ultra 1			

Column Profile



App ID 14943

Simulated Distillation Markers: ASTM Method 2887

Column: Zebron ZB-1

Dimensions: 10 meter x 0.53 mm x 2.65 µm

Part No.: 7CK-G001-35

Injection: Split 10:1 @ 360 ˚C, 1 µL

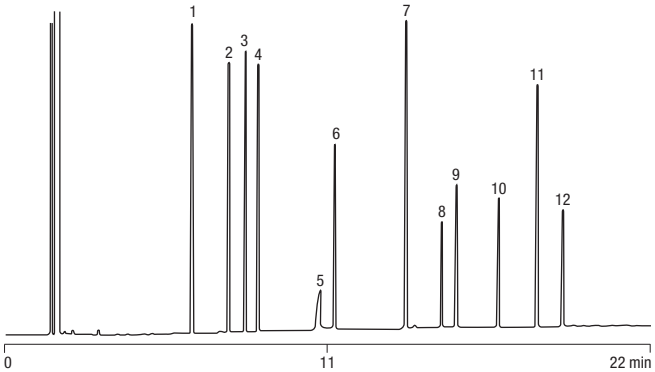
Carrier Gas: Helium @ 8.1 mL/min (constant flow)

Oven Program: 35 ˚C to 360 ˚C @ 15 ˚C/min for 5 min

Detector: FID @ 360 ˚C

Sample: Analytes are 0.1 % in carbon disulfide.

1. Pentane (C5)
2. Hexane (C6)
3. Heptane (C7)
4. Octane (C8)
5. Nonane (C9)
6. Decane (C10)
7. Undecane (C11)
8. Dodecane (C12)
9. Tetradecane (C14)
10. Pentadecane (C15)
11. Hexadecane (C16)
12. Heptadecane (C17)
13. Octadecane (C18)
14. Eicosane (C20)
15. Tetracosane (C24)
16. Octacosane (C28)
17. Dotriacontane (C32)
18. Hexatriacontane (C36)
19. Tetracontane (C40)
20. Tetratetracontane (C44)



App ID 1266

Hazardous Substances

Column: Zebron ZB-1

Dimensions: 30 meter x 0.25 mm x 0.25 µm

Part No.: 7HG-G001-11

Injection: Split 20:1 @ 250 ˚C

Carrier Gas: Helium @ 0.88 mL/min (constant flow)

Oven Program: 50 ˚C to 200 ˚C @ 6 ˚C/min

Detector: FID @ 300 ˚C

Sample:

1. Aniline
2. Benzyl alcohol
3. 2-Methylphenol
4. 4-Methylphenol
5. Benzoic acid
6. 4-Chloroaniline
7. 2-Methylnaphthalene
8. 2,4,5-Trichlorophenol
9. 2-Nitroaniline
10. 3-Nitroaniline
11. Dibenzofuran
12. 4-Nitroaniline

Ordering Information

ID (mm)	df (µm)	Temp. Limits ˚C	Part No.
10-Meter			
0.53	2.65	-60 to 340/360	7CK-G001-35
15-Meter			
0.25	0.10	-60 to 360/370	7EG-G001-02
0.25	0.25	-60 to 360/370	7EG-G001-11
0.25	1.00	-60 to 340/360	7EG-G001-22
0.32	0.25	-60 to 360/370	7EM-G001-11
0.32	1.00	-60 to 340/360	7EM-G001-22
0.53	0.15	-60 to 360/370	7EK-G001-05
0.53	0.50	-60 to 360/370	7EK-G001-17
0.53	1.50	-60 to 340/360	7EK-G001-28
0.53	3.00	-60 to 340/360	7EK-G001-36
0.53	5.00	-60 to 340/360	7EK-G001-39

ID (mm)	df (µm)	Temp. Limits ˚C	Part No.
30-Meter			
0.25	0.10	-60 to 360/370	7HG-G001-02
0.25	0.25	-60 to 360/370	7HG-G001-11
0.25	0.50	-60 to 360/370	7HG-G001-17
0.25	1.00	-60 to 360/370	7HG-G001-22
0.32	0.25	-60 to 340/360	7HM-G001-11
0.32	0.50	-60 to 360/370	7HM-G001-17
0.32	1.00	-60 to 360/370	7HM-G001-22
0.32	5.00	-60 to 340/360	7HM-G001-39
0.53	0.10	-60 to 340/360	7HK-G001-02
0.53	0.50	-60 to 340/360	7HK-G001-17
0.53	1.50	-60 to 340/360	7HK-G001-28
0.53	3.00	-60 to 340/360	7HK-G001-36
0.53	5.00	-60 to 340/360	7HK-G001-39

ID (mm)	df (µm)	Temp. Limits ˚C	Part No.
50-Meter			
0.25	0.50	-60 to 360/370	7JG-G001-17
60-Meter			
0.25	0.10	-60 to 360/370	7KG-G001-02
0.25	0.25	-60 to 360/370	7KG-G001-11
0.25	1.00	-60 to 340/360	7KG-G001-22
0.32	0.10	-60 to 360/370	7KM-G001-02
0.32	0.25	-60 to 360/370	7KM-G001-11
0.32	1.00	-60 to 340/360	7KM-G001-22
0.32	3.00	-60 to 340/360	7KM-G001-36
0.53	1.50	-60 to 340/360	7KK-G001-28
100-Meter			
0.25	0.50	-60 to 360/370	7MG-G001-17
Test Mix			
Zebron	ZB-1		AG0-5155

If you need a 5 in. cage, simply add a (-B) after the part number, e.g., 7HG-G001-11-B.

*Thicker films (≥1.0 µm df) are rated to 340/360 ˚C (Isothermal/TPGC).

PROTECT YOUR GC COLUMN. TRY Z-GUARD WITH YOUR NEXT ZEBRON ORDER.