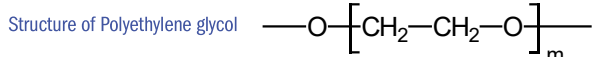


Meta. WAX 400

100% Polyethylene glycol (PEG), nonbonded phase.

- Column designed for analysis of volatiles in alcoholic beverages and solvents
- Maximum resolution of amylic alcohols
- High number of plates even at very low temperature (<20°C)



Meta.WAX 400 Equivalent Phase

Agilent: CP Carbowax 400

Meta.WAX 400

InternalLength	Film	Temp	Part.
Diam.(mm) (m)	Thickness (µm)	limits (°C)	N°. (P/N)
0,32	50	0 to 60/80	TR-402153

Meta.WAX 400

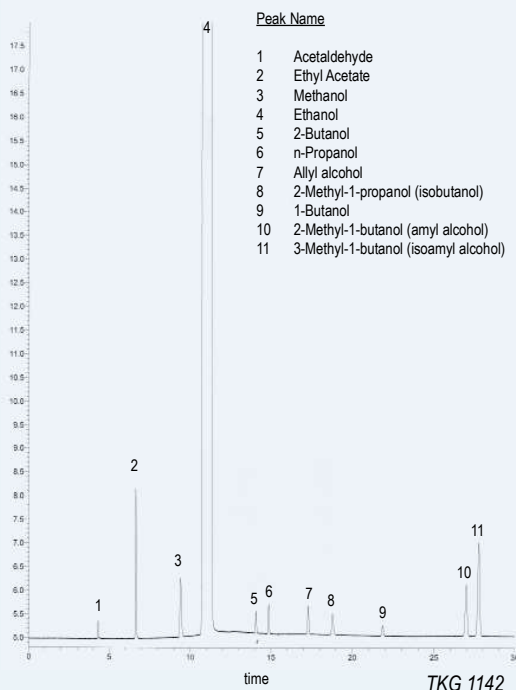
Column: **Meta.WAX 400**, 50 m x 0.32 mm x 0.20 µm,
P/N TR-402153

Injection: 1 µL standard (split 1:50), 175 °C

Carrier gas: He, 11 psi (75.8 kPa)

Oven: 30 °C (5 min) to 60 °C (10 min) @ 4 °C/min

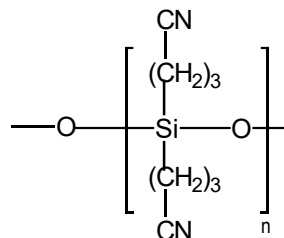
Detector: FID, 175 °C



TR-CN100

100% Cyanopropyl polysiloxane, nonbonded phase

- Column of maximum polarity
- Designed for separating fatty acids methyl esters (FAME)
- High selectivity towards cis-trans isomers of FAME



Structure of Poly (biscyanopropyl) siloxane

TR-CN100 Equivalent Phase

Agilent: CP-SIL 88

Supelco: SP-2340, SP-2380

Restek: Rt-2330, Rt-2580

TR-CN100

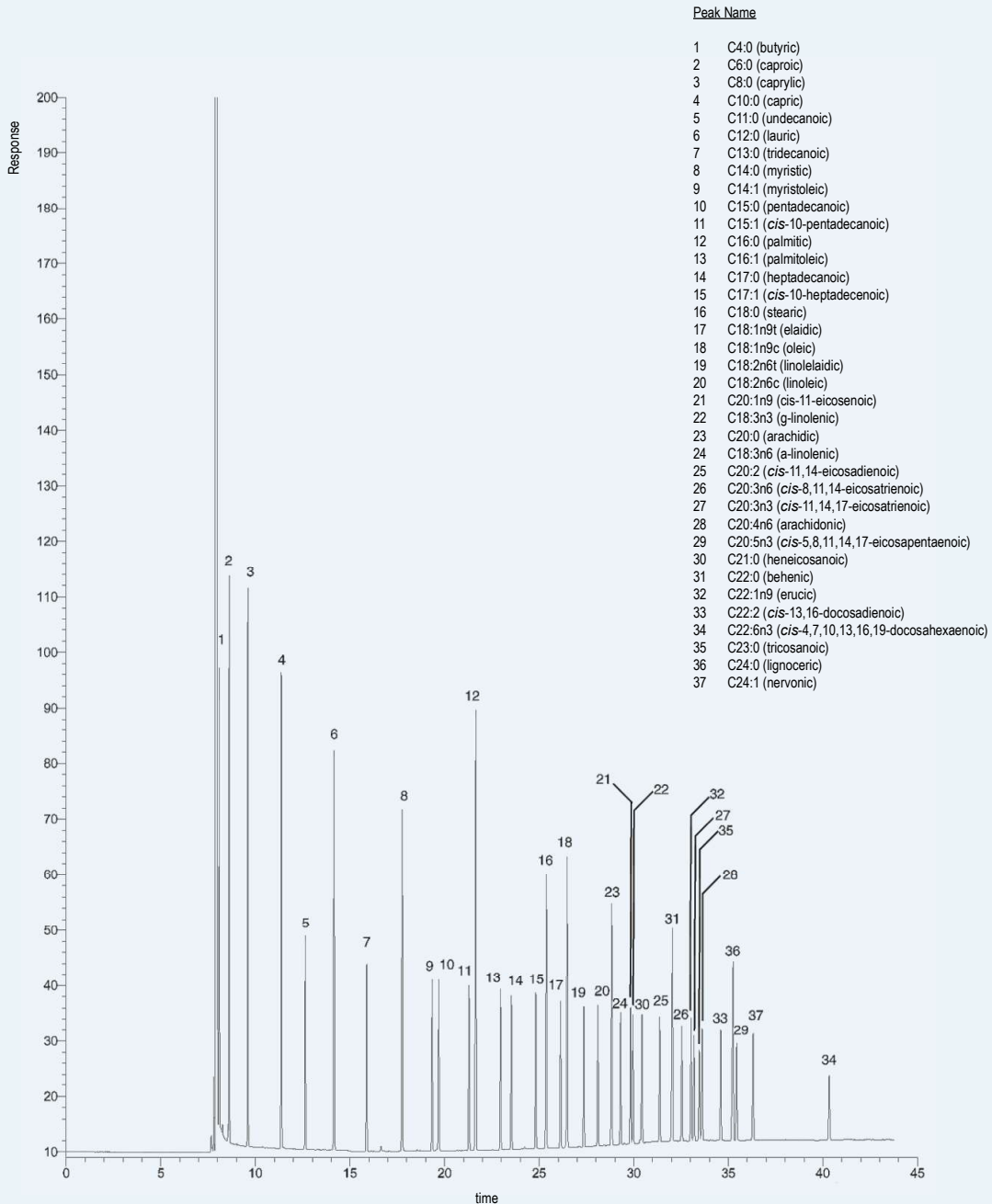
InternalLength	Film	Temp	Part.
Diam.(mm) (m)	Thickness (µm)	limits (°C)	N°. (P/N)
0,18	75	40 to 240/250	TR-881674
0,25	15	40 to 240/250	TR-882112
	30	40 to 240/250	TR-882132
	60	40 to 240/250	TR-882162
	100	40 to 240/250	TR-882192
0,32	15	40 to 240/250	TR-882113
	30	40 to 240/250	TR-882133
	60	40 to 240/250	TR-882163
0,53	15	40 to 225/250	TR-882115
	30	40 to 225/250	TR-882135
	60	40 to 225/250	TR-882165



Teknokroma Capillary Columns

TR-CN100 - SEPARATION OF METHYL ESTERS (FAMES)

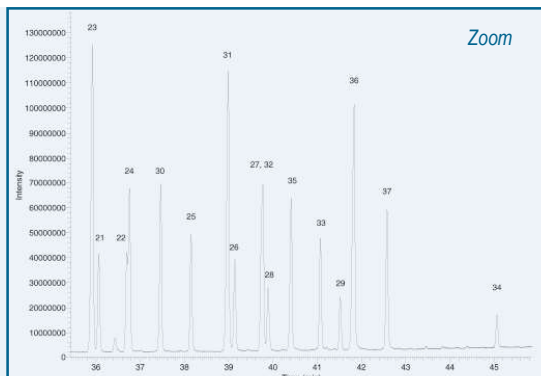
Column: **TR-CN100**, 100 m x 0.25 mm x 0.20 μ m, P/N TR-882192
Injection: 1 μ L Total FAMES en CH₂Cl₂ (30 mg/mL), split 1:100, 260 °C
Carrier gas: He at pressure 45 psi (310 kPa)
Oven: 140 °C (6 min) to 240 °C (10 min) @ 4 °C/min
Detector: FID, 260 °C



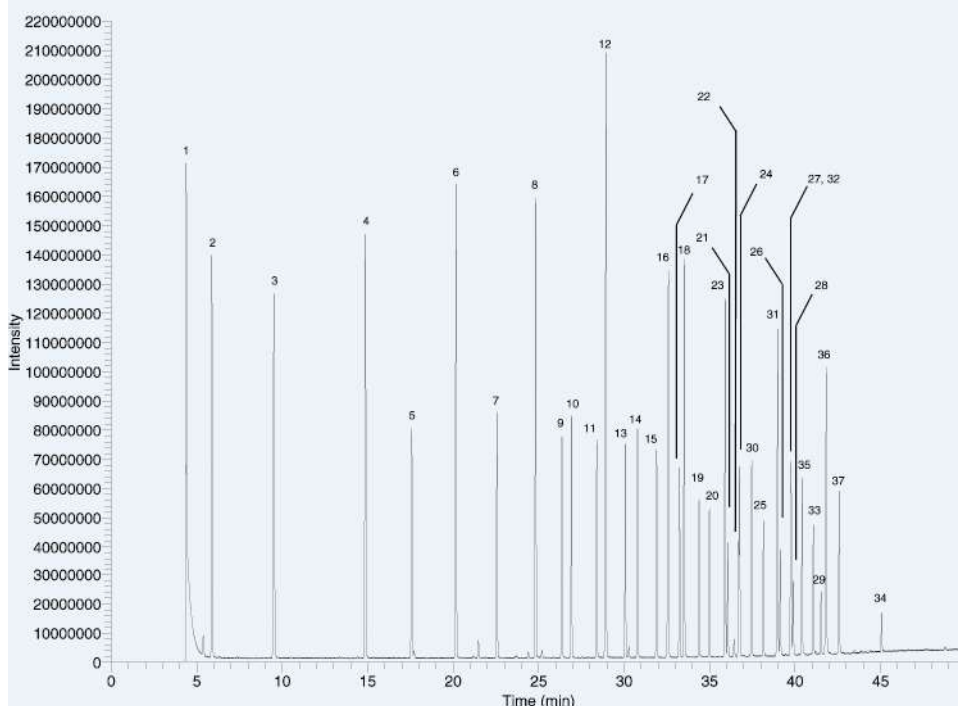
TKG 1229

Food Industry FAME Mix - 60 m column (MSD)

Column: **TR-CN100**, 60 m x 0.25 mm x 0.20 µm, P/N: TR-882162
 Injection: 280°C, split 50:1
 Carrier gas: He, ct pressure 24 psi (165,6 kPa)
 Oven: 90 °C (7 min) to 240 °C (3 min) @ 4 °C/min
 Detector: MS
 Transfer line: 230 °C
 Ionization mode: EI
 Scan range: 40-450 amu
 Sample: 0.5µL Food Industry FAME Mix 10 mg/ml in methylene chloride



TKG 1251

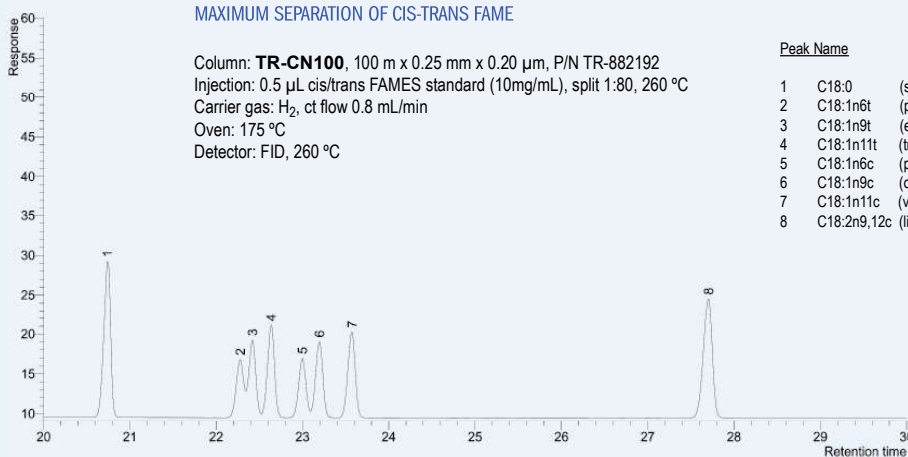


Peak Name

1. C4:0
2. C6:0
3. C8:0
4. C10:0
5. C11:0
6. C12:0
7. C13:0
8. C14:0
9. C14:1(*cis*-9)
10. C15:0
11. C15:1(*cis*-10)
12. C16:0
13. C16:1(*cis*-9)
14. C17:0
15. C17:1(*cis*-10)
16. C18:0
17. C18:1(*trans*-9)
18. C18:1(*cis*-9)
19. C18:2(*all-trans*-9,12)
20. C18:2(*all-cis*-9,12)
21. C18:3(*all-cis*-6,9,12)
22. C18:3(*all-cis*-9,12,15)
23. C20:0
24. C20:1(*cis*-11)
25. C20:2(*all-cis*-11,14)
26. C20:3(*all-cis*-8,11,14)
27. C20:3(*all-cis*-11,14,17)
28. C20:4(*all-cis*-5,8,11,14)
29. C20:5(*all-cis*-5,8,11,14,17)
30. C21:0
31. C22:0
32. C22:1(*cis*-13)
33. C22:2(*all-cis*-13,16)
34. C22:6 (*all-cis*-4,7,10,13,16,19)
35. C23:0
36. C24:0
37. C24:1(*cis*-15)

MAXIMUM SEPARATION OF CIS-TRANS FAME

Column: **TR-CN100**, 100 m x 0.25 mm x 0.20 µm, P/N TR-882192
 Injection: 0.5 µL *cis/trans* FAMES standard (10mg/mL), split 1:80, 260 °C
 Carrier gas: H₂, ct flow 0.8 mL/min
 Oven: 175 °C
 Detector: FID, 260 °C



Peak Name

- 1 C18:0 (stearic acid methyl ester)
- 2 C18:1n6t (petroselaic acid methyl ester)
- 3 C18:1n9t (elaidic acid methyl ester)
- 4 C18:1n11t (transvaccenic acid methyl ester)
- 5 C18:1n6c (petroselinic acid methyl ester)
- 6 C18:1n9c (oleic acid methyl ester)
- 7 C18:1n11c (vaccenic acid methyl ester)
- 8 C18:2n9,12c (linoleic acid methyl ester)

TKG 1255