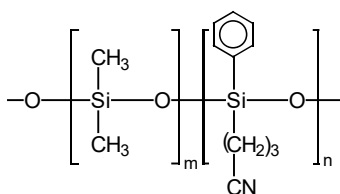


TRB-624

94% Dimethyl- 6% cyanopropyl-phenyl polysiloxane, bonded and crosslinked phase.

- 6% Cyanopropyl-phenyl - 94% dimethyl polysiloxane
- Column developed specially for environmental analysis of volatile compounds (Volatile Priority Pollutants)
- Column perfectly compatible with EPA methods 501.3, 502.2, 524.2, 601, 602, 8010, 8015, 8020, 8221, 8240 and 8260.
- Excellent inertness against active compounds



Structure of Poly (dimethylcyanopropylphenyl) siloxane

TRB-624 Equivalent Phase

Agilent: HP-1301, HP-624, DB-1301, DB-624

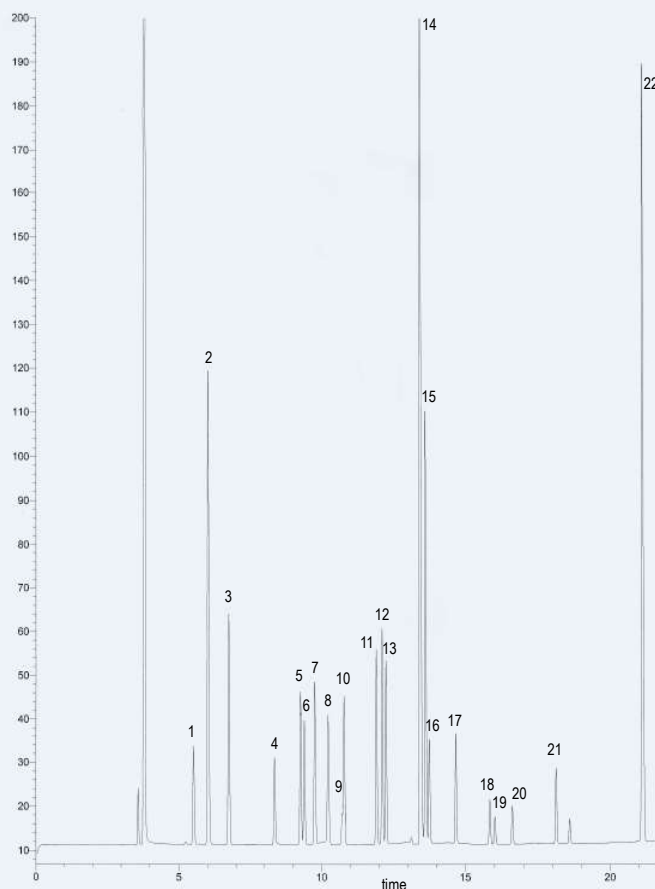
Supelco: SPB-1301, OVI-G43

Restek: Rtx-1301, Rtx-624

SGE: BPX-624

TRB-624

Internal Length	Film	Temp	Part.	
Diam.(mm)	Thickness (µm)	limits (°C)	N°. (P/N)	
0,18	20	1,00	-20 to 240/260	TR-601084
0,20	25	1,12	-20 to 240/260	TR-601129
0,25	30	1,40	-20 to 240/260	TR-601432
	60	1,40	-20 to 240/260	TR-601462
0,32	30	1,80	-20 to 240/260	TR-601833
	60	1,80	-20 to 240/260	TR-601863
0,53	30	3,00	-20 to 240/260	TR-603035
	60	3,00	-20 to 240/260	TR-603065
	75	3,00	-20 to 240/260	TR-603075
	105	3,00	-20 to 240/260	TR-6030K5



TRB-624 Solvents

Column: **TRB-624**, 60 m x 0.25mm x 1.4 µm, P/N TR-601462
 Injection: 1 µL solvents mixture, split 1:100 (20-600 ng/comp), 260 °C
 Carrier gas: H₂, ct pressure 25 psi (172.3 kPa)
 Oven: 50 °C (5min) to 220 °C @ 6 °C/min
 Detector: FID, 280 °C

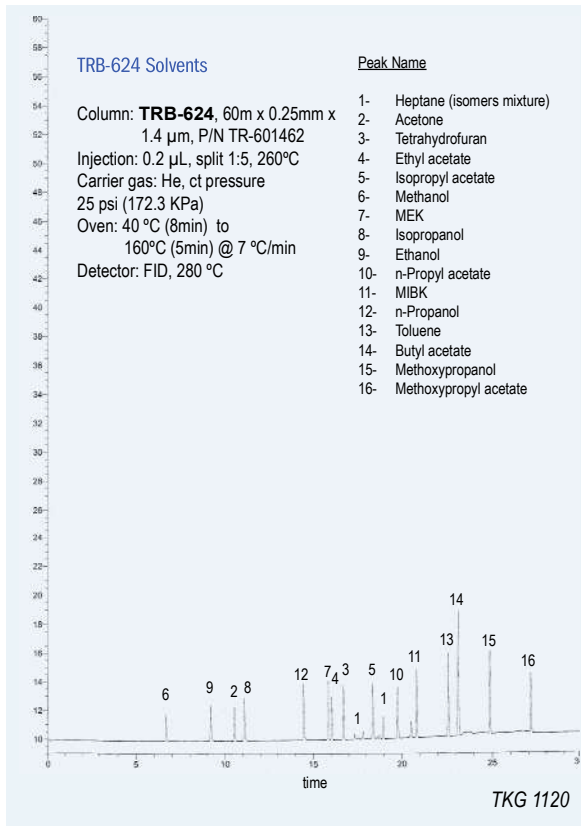
Peak Name

- 1 Diethylether
- 2 Acetone
- 3 Methyl acetate
- 4 Vinyl acetate
- 5 MEK
- 6 Ethyl acetate
- 7 Tetrahydrofuran
- 8 Cyclohexane
- 9 Benzene
- 10 Isopropyl acetate
- 11 2-Pentanone
- 12 3-Pentanone
- 13 Propyl acetate
- 14 Pyridine
- 15 Toluene
- 16 Isobutyl acetate
- 17 Butyl acetate
- 18 Ethyl benzene
- 19 m-Xylene/p-Xylene
- 20 o-Xylene
- 21 Diisobutylketone
- 22 Nitrobenzene

TKG 1119



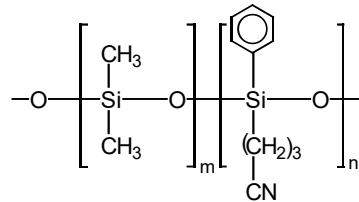
Teknokroma Capillary Columns



TRB-G43

94% Dimethyl- 6% cyanopropyl-phenyl polysiloxane, bonded and crosslinked phase.

- 6% Cyanopropyl-phenyl - 94% dimethyl polysiloxane (USP G43)
- Fulfills the specifications of the American (USP) and European (EP) pharmacopoeia for the analysis of residual solvents (OVI) in pharmaceutical products, USP method <467> and EP method 2.4.24
- Column with chemical inertness and low bleed guaranteed
- Specially tested for complete separation of the five solvents regulated by USP Method 467
- For this analysis, pharmacopoeia recommends the use of a guard column of 5m (P/N TR-200055) to trap the non-volatile impurities in the sample



TRB-G43 Class 1 and Class 2 Residual Solvents

Column: **TRB-G43**, 30 m x 0.53 mm x 3.0 µm, P/N TR-163035
Injection: split 1:2, 250 °C, 5 m x 0.53 mm intermediate polarity retention gap (TR-200055)
Sample: 0.5 mL headspace 80°C (2t static head space sampler) 28 Class 1 Mix and Class 2 Mix A, Mix B residual solvents at the regulatory limit concentration
Carrier gas: He, ct pressure 4.8 psi (33.1 kPa), 35 cm/s (40°C)
Oven: 40 °C (20 min) to 240 °C (10 min) @ 10°C/min
Detector: FID, 250 °C

