Teknokroma Capillary Columns

Maximum Efficiency

All manufacturing stages for capillary columns have been optimized in order to be able to offer our customers columns of very high efficiency.

Maximum Reproducibility

When you select a Teknokroma column for your analyses you can be assured that each of the steps in the production process has been thoroughly controlled to ensure that there are no deviations from the established quality parameters. All of the steps incorporate the maximum possible automation procedures.
This translates into a high reproducibility level with regards to the chromatographic performance of our columns.

Internal diameter (mm)	Theoretical Plates (N/m)
0,10	7.000 - 9.000
0,20	4.700 - 5.500
0,25	3.300 - 4.600
0,32	2.700 - 3.700
0,53	1.400 - 2.200

Wide Stationary Phase Selection

Teknokroma incorporates in its catalogue a selection of capillary columns prepared with the stationary phases most commonly used in the field of gas chromatography (Table 1).

Stationary Phase Cross Reference (Table 1)

TEKNOKROMA	PHASE COMPOSITION	AGILENT	SUPELCO	RESTEK	VARIAN	SGE	ALLTECH	QUADREX	USP NOMENCUTURE
TRB-1,TRB-1ht,TRB-1MS,TRBSULFUR, TRB-PETROL,TRB-PETROL150, TRB.50.2PONA,TRB-2887,SE-30	100% dimethylpolysiloxane	HP-1,HP101,ULTRA-1 DB-1,DB-1ht,DB-2887	SPB-1, EQUITY-1 SPB-1 SULFUR	Rtx-1,Rtx-2887	CP-SIL5CB CP-SIL5CBMS	BP-1	AT-1	007-1	G1,G2,G38
TRB-5,TRB-5ht,TRB-5 MS, TRB-STEROL, TRB-5AMINE, TRB-5.625,TRB-G27,SE-54	95%dimethyl-5%diphenyl polysiloxane	HP-5,ULTRA-2,DB-5 DB-5.625,DB-5ht, PAS-5	SPB-5.EQUITY-5 PTE-5.SAC-5, PTE-5QTM	Rtx-5,XTI-5, Rtx-5 MS	CP-SIL8CB	BP-5	AT-5	007-2	G27, G36
Meta.X5	95%dimethyl-5%diphenyl polysilphenylene	HP-5TA.DB-5MS	MDN-5	Rtx-5Sil MS	CP-SIL8CB LowBleed/MS	BPX-5	AT-5ms	007-5 MS	
TRB-1301,TRB-624,TRB-G43	6% cyanopropylphenyl-94% dimethylpolysiloxane	HP-1301, HP-624 DB-1301, DB-624	SPB-1301 OVI- G43	Rtx-1301, Rtx-624		BPX-624	AT-624		G43
TRB-14	14%diphenyl-86%dimethyl polysiloxane				CP-SIL13CB				
TRB-20	20%diphenyl-80%dimethyl polysiloxane		SPB-20.VOCOL				AT-20	007-7	G28.G32
TRB-35	35%diphenyl-65%dimethyl polysiloxane	HP-35.DB-35	SPB-35	Rtx-35		BPX-35, BPX-608	AT-35	007-11	G42
TRB-1701	14% cyanopropylphenyl-86% dimethyl polysiloxane	HP-1701.PAS-1701 DB-1701	SPB-1701	Rtx-1701	CP-SIL19CB	BP-10	AT-1701	007-1701	
TRB-225	50% cyanopropylphenyl-50% dimethyl polysiloxane	HP-225.DB-225		Rtx-225	CP-SIL43CB	BP-225	AT-225	007-225	G7.G19
TRB-PAG	50% polyethylene-50% polypropylene qlycol		PAG						
TRB-FFAP	treated polyethylene glycol for acidic compounds	HP-FFAP.DB-FFAP	NUKOL.SP-1000	STABILWAX-DB	CP-WAX58CB	BP-21	AT-1000, FFAP	007-FFAP	G25.G35
TRB-50	50% diphenyl-50%dimethyl polysiloxane	HP-50+,DB-17, DB-608	SPB-50. SPB-2250	Rtx-50	CP-SIL24CB		AT-50	007-17	G3
TRB-50ht	50% diphenyl-50%dimethyl polysiloxane	DB17ht		Rtx-65	TAB-CB			007-65HT	G17
TRB-F50	50% trifluoropropyl 50% methyl polysiloxane	DB-210.DB-200		Rtx-200			AT-210	007-210	G6
TRB-WAX	100% polyethylene glycol	HP-20M.INNOWAX DB-WAX, DB-WAXetr	SUPELCOWAX 10 Carbowax 20M	STABILWAX	CP-WAX52CB	BP-20	AT-WAX	007-CW	G14,G15,G16, G20.G39
TRB-WAX-DB	treated polyethylene glycol for basic compounds	CAM,HP-BasicWax	Carbowax-Amine		CP-WAX51CB				
Meta.Wax	100%polyethylene glycol	HP-WAX, DB-WAX			CP-WAX57CB				
TRB-WAX-Omega	100%polyethylene glycol		OMEGAWAX	FAMEWAX					
TR-CN100	100%biscyanopropyl polysiloxane		SP-2340	Rt-2340	CP-SIL88				
TR-CRESOL	proprietary nonbonded phase				CP-CRESOL				
TRB-17	50%diphenyl-50%dimethyl polysiloxane	HP-17							G3
Meta.VOC	proprietary bonded phase	DB-502.2,HP-VOC	VOCOL	Rtx-502.2					
TRB-608	proprietary bonded phase	HP-608	SPB-608			BP-608			
TR-TCEP	1,2,3-tris(cyanoethoxy)propane		TCEP	Rt-TCEP	CP-TCEP				

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