

Analysis - GC Capillary Columns

UptiBond™ GC capillary columns

UptiBond™ is Interchim's proprietary GC capillary column technology that has been developed around rigorous, innovative manufacturing processes from the highest quality raw material. Every step of column manufacturing is strictly controlled, establishing a new standard in GC chromatography. UptiBond™ exhibits enhanced column to column reproducibility and the utilization of Interchim's in-house chemistry resources establish major product benefits such as ultra low levels of column bleeding.

Stationary phase selection guide

Applications	Composition	Polarity Isothermal/ Programmed	Temp. Range	Phases with Similar Polarity
Bonded Phases Amines, hydrocarbons, pesticides, PCBs, phenols, sulfur compounds,	100% dimethylpolysiloxane	Nonpolar	a : -60 to 325/350 b : -60 to 300/320 c : -60 to 260/280	UBP1, DB-1, BP-1, HP-1 CP-Sil5, Rtx-1, OV-1,007-1
Alkaloids, drugs, FAMES Halogenated compounds, Semi-volatiles, pesticides	5% phenyl - 95 % dimethyl polysiloxane	Nonpolar	a : -60 to 325/350 b : -60 to 300/320 c : -60 to 260/280	UB5P, DB-5, DB-5ms, DB-5ht, XTI-5, CP-Sil8CB, 007-2, OV-5, Rtx-5, Rtx-5, BPX-5, BP-5, SPB-5
Aroclors, alcohols, pesticides, VOAs	6% cyanopropyl-phenyl 94% dimethyl polysiloxane	Mid-polar	a : -20 to 280/300 b : -20 to 260/280	UB1301, DB-1301, DB-624, Rtx-624, Mtx-1301, CP-624, RTX-1301
Aroclors, Amines, pesticides pharmaceuticals	35% dimethyl polysiloxane	Mid-polar	a : 40 to 300/320	DB-35, RTX-35, SPB-35, AT-35
Volatile compounds		Mid-polar	a : 260/260	UB624, DB-624, OV624, ZB-624 HP-VOC, CP-Select624CB
Pesticides, herbicides, TMS Sugars, aroclors	14 % cyanopropyl-phenyl 86 % dimethyl polysiloxane	Mid-polar	a : -20 to 280/300 b : -20 to 260/280	UB1701, DB-1701, Rtx-1701, CP-Sil 19 CB, OV1701
Drugs, glycols, pesticides, steroids	50% phenyls, 50% methyl- polysiloxane	Mid-polar	a : 40 to 280/300 b : 40 to 260/280	UB17, UB17P, DB-17, DB-17ht, CP-Sil24CB, BPX200, 007-17, OV-17
Aldehydes, pesticides, Herbicides, organo-chlorine Organo-phosphorous		Polar	a : -45 to 240/260 b : -45 to 220/240	UB210, DB-210, Rtx-200
FAMES, alditol acetates Neutral sterols	50 % cyanopropyl-phenyl 50 % methyl-polysiloxane	Polar Polar	a : 40 to 220/240 b : 40 to 200/220	UB225, DB-225, SP-2330, OV-225, Rtx-225, BP-225, 007-225
Solvents, glycols, alcohols	Polyethylene	Polar	a : 20 to 250/260 b : 20 to 230/240	UBWAX, DB-WAX, Carbowax 20M Rtx-WAX, ZB-WAX, HP-20M
Acids, alcohols, aldehydes Acrylates, ketones, nitriles	Polyethylene glycol-acid	Polar	a : 60 to 240/250 b : 60 to 230/240	UBFFAP, DB-FFAP, Stabilwax DA 007-FFAP, BP21,

a : d.i. < 530 µm - b : d.i. : 530 µm - c : d.i. > 2 µm