

Choosing Columns

Choosing Column by USP

USP Column Classification			
USP	Phase Composition	Vertical® Recommend	Page
G1	Dimethylpolysiloxane oil	1, 1ms, 1ht	147, 151, 152
G2	Dimethylpolysiloxane gum	1, 1ms, 1ht	147,151, 152
G3	50% Phynyl-50% methylpolysiloxane	17, 17ms, 17HT	159, 160, 161
G5	3-Cyanopropylpolysiloxane	Silar90	179
G6	Trifluoropropylmethylpolysiloxane	210	167
G7	50% 3-Cyanopropyl-50% phenylmethylsilicone	225	168
G14	Polyethylene glycol (average MW 950-1,050)	WAX, WAXms	174, 176
G15	Polyethylene glycol (average MW 3,000-3,700)	WAX, WAXms	174, 176
G16	Polyethylene glycol (average MW 15,000)	WAX, WAXms	174, 176
G17	75% Phenyl-25% methylpolysiloxane	17	159
G19	25% Phenyl-25% cyanopropylmethylsiloxane	225	168
G20	Polyethylene glycol (average MW of 380-420)	WAX	174
G25	Polyethylene glycol TPA (Carbowax 20M terephthalic acid)	AqWAX	177
G27	5% Phenyl-95% methylpolysiloxane	5, 5ms	153, 157
G28	25% Phenyl-75% methylpolysiloxane	20, 35	162, 164
G32	20% Phenylmethyl-80% dimethylpolysiloxane	20, 35	162, 164
G35	Polyethylene glycol (Nitroterephthalic acid modified)	AqWAX	177
G36	1% Vinyl-5% phenylmethylpolysiloxane	5, 5ms	153, 157
G38	Phase G1 plus a tailing inhibitor	1, 1ms, 1ht	147, 151, 152
G39	Polyethylene glycol (average MW 1,500)	WAX, WAXms	174, 176
G41	Phenylmethyldimethylsilicone (10% phenyl substituted)	5	153
G42	35% Phenyl-65% dimethylpolysiloxane	35	164
G43	6% Cyanopropylphenyl-94% dimethylpolysiloxane	624, 1301	169, 170
G46	14% Cyanopropylphenyl-86% dimethylpolysiloxane	1701	172

