

GC Column Selection for USP Methods

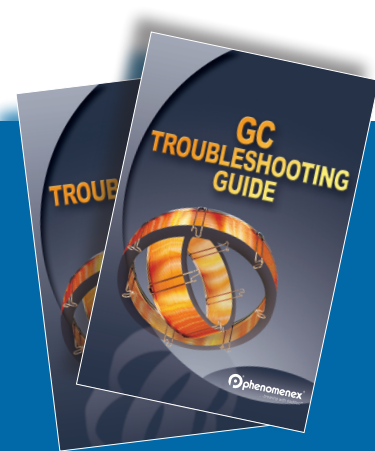
USP Column Classification

USP	Phase Composition	Phenomenex Recommendation
G1	Dimethylpolysiloxane oil	ZB-1, ZB-1HT Inferno™
G2	Dimethylpolysiloxane gum	ZB-1, ZB-1HT Inferno
G3	50 % Phenyl-50 % methylpolysiloxane	ZB-50
G5	3-Cyanopropylpolysiloxane	BPX70
G7	50 % 3-Cyanopropyl-50 % phenylmethylsilicone	007-225
G14	Polyethylene glycol (average MW 950-1,050)	ZB-WAX ^{PLUS} ™
G15	Polyethylene glycol (average MW 3,000-3,700)	ZB-WAX ^{PLUS}
G16	Polyethylene glycol (average MW 15,000)	ZB-WAX ^{PLUS}
G17	75 % Phenyl-25 % methylpolysiloxane	ZB-50
G19	25 % Phenyl-25 % cyanopropylmethylsilicone	007-225
G20	Polyethylene glycol (average MW of 380-420)	ZB-WAX ^{PLUS}
G25	Polyethylene glycol TPA (Carbowax 20M terephthalic acid)	ZB-FFAP
G27	5 % Phenyl-95 % methylpolysiloxane	ZB-5MSi, ZB-5HT Inferno
G27	5 % Phenyl-Arylene-95 % methylpolysiloxane	ZB-5ms
G28	25 % Phenyl-75 % methylpolysiloxane	ZB-35, ZB-35HT Inferno
G32	20 % Phenylmethyl-80 % dimethylpolysiloxane	ZB-35, ZB-35HT Inferno
G35	Polyethylene glycol & diepoxide esterified with nitroterephthalic acid	ZB-FFAP
G36	1 % Vinyl-5 % phenylmethylpolysiloxane	ZB-5MSi, ZB-5HT Inferno
G38	Phase G1 plus a tailing inhibitor	ZB-1, ZB-1HT Inferno
G39	Polyethylene glycol (average MW 1,500)	ZB-WAX ^{PLUS}
G41	Phenylmethyldimethylsilicone (10 % phenyl substituted)	ZB-5MSi, ZB-5HT Inferno
G42	35 % Phenyl-65 % dimethylpolysiloxane	ZB-35, ZB-35HT Inferno
G43	6 % Cyanopropylphenyl-94 % dimethylpolysiloxane	ZB-624
G46	14 % Cyanopropylphenyl-86 % methylpolysiloxane	ZB-1701P

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