

Separation mode	Functional group	Packing agent name	Particle size (µm)	Pore size (nm)	Specific surface area	Pore size (mL/g)	C%	Primary modification	End capping	Max. pressure	pH range*	Validation Support	Solvent filled at time of shipment	USP L No.	Other features				
Reverse phase	C1 (Trimethylsilyl)	Wakosil 5TMS	5	12	300	1.0	4	Monomeric	○	20 MPa	2-7.5	-	CH ₃ CN/H ₂ O=60/40	L13	-				
	C4	Wakosil 5C4	5	12	300	1.0	8	Monomeric	○	20 MPa	2-7.5	-	CH ₃ CN/H ₂ O=60/40	L26	Rapid analysis				
		Wakosil 5C4-200	200	200	5														
	C8	Wakosil-II 5C8 HG	5	12	300	400	1.0	10	Monomeric	○	20 MPa	2-7.5	-	CH ₃ CN/H ₂ O=60/40	L7	Uses high-purity silica gel with low metal content, high number of theoretical plates			
		Wakosil-II 5C8 RS	3	10	12														
		Wakosil 5C8	5	12	300														
	ODS (C18)	Ultra C18-2	2	10	340	0.9	1.0	16	Polymeric	○	70 MPa	1.5-10	-	CH ₃ CN/H ₂ O=70/30	L1	Low adsorption (polar compounds), available at pH 1.5 to 10.0, for UHPLC			
		Ultra C18-3	3	12													1.0		
		Ultra C18-5	5	10													350	1.0	22
		Wakosil-II 5C18-100	10	280~320	0.85~1.00	13.0~17.0	17.0~22.0	-	-	-	-	20 MPa	-	-	-	-	Uses high-purity silica gel with low metal content, high carbon content		
		Wakosil-II 5C18 HG	4.2~4.7															11~13	1.0
		Wakosil-II 5C18 AR	3.2~3.7															390~430	1.15~1.30
		Wakosil-II 5C18 RS	3.0~3.7	280~320	0.85~1.00	13.0~17.0	17.0~22.0	1.4-9.4	○	30 MPa	1.4-9.4	2-7.5	Uses high-purity silica gel with low metal content, high number of theoretical plates						
		Wakosil-II 3C18 AR	3.0~3.7	9.5~11.5	390~430	0.95~1.10	16.0~18.0	2-7.5	○	30 MPa	1.4-9.4	2-7.5	Uses high-purity silica gel with low metal content, high resolution in aqueous eluents						
		Wakosil-II 3C18 RS	about 5	12	300	1.0	16	17	18	17	1.4-9.4	2-7.5	Uses high-purity silica gel with low metal content, used for preparative chromatography						
		Wakosil-II 5C18 HG Prep	400	1.2	17	1.4-9.4	2-7.5	Uses high-purity silica gel with low metal content, high resolution in aqueous eluents											
		Wakosil-II 5C18 AR Prep	6~7	10.5~13.4	270~330	0.80~1.05	13.0~18.0	20 MPa	2-7.5	2-7.5	2-7.5	Uses high-purity silica gel with low metal content, used for preparative chromatography							
		Wakosil-II 5C18 RS Prep	5	12	300	1.0	16	17	18	17	1.4-9.4	2-7.5	Uses high-purity silica gel with low metal content, used for preparative chromatography						
		Handy ODS	6~7	10.5~13.4	270~330	0.80~1.05	13.0~18.0	20 MPa	2-7.5	2-7.5	2-7.5	Low column pressure							
		Wakosil 5C18	5	12	300	1.0	20	Monomeric	○	20 MPa	2-7.5	2-7.5	Reversed-phase distribution, adsorption by slight silanol groups						
		Wakosil 5C18T	5	12	300	1.0	20	Monomeric	○	20 MPa	2-7.5	2-7.5	Adsorption by silanol groups						
		Wakosil 5C18N	7	12	300	1.0	20	Monomeric	○	20 MPa	2-7.5	2-7.5	Adsorption by silanol groups						
		Wakosil 7C18	7	12	300	1.0	20	Monomeric	○	20 MPa	2-7.5	2-7.5	Adsorption by silanol groups						
		Wakosil 10C18	10	12	300	1.0	20	Monomeric	○	20 MPa	2-7.5	2-7.5	Adsorption by silanol groups						
		Wakosil 5C18AR	5	12	300	1.0	20	Monomeric	○	20 MPa	2-7.5	2-7.5	Adsorption by silanol groups						
	Wakosil 5C18-200	5	12	300	1.0	20	Monomeric	○	20 MPa	2-7.5	2-7.5	Adsorption by silanol groups							
	Wakosil 5C18-200T	5	12	300	1.0	20	Monomeric	○	20 MPa	2-7.5	2-7.5	Adsorption by silanol groups							
	Wakosil 5C18-200N	5	12	300	1.0	20	Monomeric	○	20 MPa	2-7.5	2-7.5	Adsorption by silanol groups							
	Wakosil 10C18-200	10	12	300	1.0	20	Monomeric	○	20 MPa	2-7.5	2-7.5	Adsorption by silanol groups							
	eco-ODS	5	12	300	1.0	20	Monomeric	○	20 MPa	2-7.5	2-7.5	Adsorption by silanol groups							
	Navi C18-5	5	12	300	1.0	20	Monomeric	○	20 MPa	2-7.5	2-7.5	Adsorption by silanol groups							
	C22	Wakosil-II 5C22	5	12	330	1.0	20	Monomeric	○	20 MPa	2-7.5	-	CH ₃ CN/H ₂ O=60/40	-	Uses high-purity silica gel with low metal content				
	Navi C22-5	5	12	400	1.2	20	Monomeric	○	20 MPa	2-7.5	-	CH ₃ CN/H ₂ O=60/40	-	Comparison can be made between packing agent with chain lengths from C18 to C30, high stereoselectivity					
C30	Navi C30-5	5	12	300	1.0	23	Polymeric	○	20 MPa	2-7.5	-	CH ₃ CN/H ₂ O=60/40	L62	Comparison can be made between packing agent with chain lengths from C18 to C30, high stereoselectivity					
Ph (Phenyl)	Wakosil 5Ph	5	12	300	1.0	9	Monomeric	○	20 MPa	2-7.5	-	CH ₃ CN/H ₂ O=60/40	L11	-					
Polyfluoroalkyl	Fluorix-II 120E	5	12	300	1.0	9.5	Monomeric	○	20 MPa	2-7.5	-	CH ₃ CN	L#	Specific ability to recognize halogen compounds					
Normal phase · Reverse phase	CN (Cyanopropyl)	Wakosil-II 5CN	5	11	360	1.0	7	Monomeric	○	20 MPa	2-7.5	-	Ethanol	L10	Uses high-purity silica gel with low metal content				
	NH ₂ (Aminopropyl)	Wakosil 5NH2	5	12	300	1.0	-	Monomeric	○	20 MPa	2-7.5	-	Ethanol	L8	Amino group content 1.35 mmol/g				
Normal phase	OH (Silanol)	Wakosil 5SIL	5	6	500	0.75	-	-	-	20 MPa	1-4.0	-	η-Hexane/CH ₃ CN=99/1	L3	-				
		Wakosil 10SIL	10	6	500	0.75	-	-	-	10 MPa	1-4.0	-	η-Hexane/CH ₃ CN=99/1	L3	-				
		Wakosil 5SIL-120	5	12	300	1.0	-	-	-	20 MPa	1-4.0	-	η-Hexane/CH ₃ CN=99/1	L3	-				
		Wakosil 7SIL-120	7	12	300	1.0	-	-	-	20 MPa	1-4.0	-	η-Hexane/CH ₃ CN=99/1	L3	-				
Wakosil-II 5SIL-Prep	about 5	12	300	1.0	-	-	-	15 MPa	1-4.0	-	η-Hexane/CH ₃ CN=99/1	L3	Uses high-purity silica gel with low metal content, used for preparative chromatography						
HILIC	OH (Silanol)	Wakosil-II 5SIL-AQ	5	6	500	0.75	-	-	-	20 MPa	1-4.0	-	CH ₃ CN	L3	Used in hydrophilic interaction chromatography (HILIC)				
Size exclusion	(OH) ₂ (Diol)	Wakosil 5Diol-60	5	6	500	0.75	-	-	-	20 MPa	1-4.0	-	CH ₃ CN	L20, L33, L59	Silica-based gel filtration columns				
		Wakosil 5Diol-120	12	300	1.0	-	-	-	35 MPa	5-7.5	-	0.05% Na ₃	L33, L59						
		Wakosil 5Diol-200	20	300	1.0	-	-	-	35 MPa	5-7.5	-	0.05% Na ₃	L33, L59						
		Wakosil 5Diol-300	30	300	1.0	-	-	-	35 MPa	5-7.5	-	0.05% Na ₃	L33, L59						
Dedicated column	for Amino acid analysis	Ultra APDS TAG®	-	-	-	-	-	-	-	-	-	-	-	-	for APDS amino acid analysis, can separate amino acids with identical m/z (e.g. leucine, isoleucine), for UHPLC				
	for Amino acid sequence analysis	Wakosil-PTH	5	-	-	-	-	-	-	20 MPa	2-7.5	-	PTH-amino Acids Mobile Phase	-	for PTH amino acid analysis by Edman degradation				
	for Amino acid composition analysis	Wakosil-PTC	5	-	-	-	-	-	-	20 MPa	2-7.5	-	CH ₃ CN/H ₂ O=60/40	-	for PTC amino acid analysis				
	for Biological samples analysis (direct injection)	Wakosil-GP-N6	5	-	-	-	-	-	-	20 MPa	2-7.5	-	CH ₃ CN/H ₂ O=40/60	-	Proteins pass through the column				
	for Oligo DNA analysis	Wakosil-DNA	5	-	-	-	-	-	-	20 MPa	2-9	-	CH ₃ CN/H ₂ O=60/40	-	for Oligo DNA (single strand DNA up to tens of mer) analysis				
	for Oxine copper analysis	Wakosil-Cu	5	-	-	-	-	Monomeric	○	20 MPa	2-7.5	-	Wakosil® Agri-9 Eluent	L1	ODS columns for oxine copper analysis of pesticides				
	for Pesticide residue analysis	Wakosil Agri-9	5	-	-	-	-	-	-	20 MPa	2-7.5	-	Wakosil® Agri-9 Eluent	-	for Pesticide residue analysis				
	for Polycyclic aromatic hydrocarbon analysis	Wakosil-PAHs	5	-	-	-	-	-	-	20 MPa	1.4-9.5	-	CH ₃ CN/H ₂ O=60/40	L1, L118	for 16 PAHs analysis as specified by EPA610				
	for DNPH aldehyde analysis	Wakosil-DNPH	5	-	-	-	-	-	-	20 MPa	2-7.5	-	CH ₃ CN/H ₂ O=60/40	-	for DNPH derivatized aldehyde analysis				
		Wakosil-DNPH-II	5	-	-	-	-	-	-	20 MPa	2-7.5	-	CH ₃ CN/H ₂ O=60/40	-	for DNPH derivatized aldehyde analysis, rapid analysis				
	ODS (C18)	Combi ODS	5	10	400	1.2	17	Monomeric	○	20 MPa	2-7.5	-	CH ₃ CN/H ₂ O=60/40	L1	for combinatorial chemistry purification				
		Combi ODS fast	3	10	400	1.0	17	Monomeric	○	30 MPa	2-7.5	-	CH ₃ CN/H ₂ O=60/40	L1	for combinatorial chemistry purification, rapid separation				
		Core C18 ADRA	-	-	-	-	-	-	-	-	-	-	-	-	for ADRA analysis				
CN (Cyanopropyl)	Combi CN	5	10	400	1.0	8.5	Monomeric	○	20 MPa	2-7.5	-	Ethanol	L10	for Combinatorial chemistry purification					
for Anionic surfactant (LAS) analysis	Wakosil AS-Aqua	5	-	-	-	-	-	-	20 MPa	2-7.5	-	CH ₃ CN/H ₂ O=60/40	-	Separate anionic surfactant (LAS) isomers as one peak per carbon chain length					

*Practical tests in the stated pH range have not been conducted.