

DAISOGEL SP-P Series

- Ultra-high purity silica
- Narrow particle size distribution
- Higher loading capacity
- Enhanced mechanical stability



DAISOGEL SP-P (spherical ultra-pure) series are based on spherical and totally porous silica gel with metal impurities specified to be less than 10 ppm each for Al, Fe, Ti and Zr. Its manufacturing process under strictly controlled conditions produces a material with reproducible distribution of particle and pore size and surface area. The presence of performance-degrading small pores is avoided.

DAISOGEL SP-P series packing materials for analytical applications are available in 3 μ m, 4 μ m and 5 μ m.

Nowadays, preparative liquid chromatography is used for the purification of a wide range of high value products.

DAISOGEL SP-P series packing materials for preparative chromatography feature narrow particle size distribution and ultra-high silica purity. Using DAISOGEL, scale up is guaranteed by using the same production procedure for all grades.

DAISOGEL SP-P series packing materials for preparative use are available in 7 μ m, 10 μ m, 15 μ m and 20 μ m.

High purity 40-60 μ m spherical silica is a cost-effective alternative for medium and low-pressure chromatography.

Product names and properties / analytical grades (minimum lot: 50g)					
	Pore Size (nm)	Particle Size (um)	Pore Volume (mL/g)	Surface Area (m ² /g)	Particle Size Distribution (D40/D90)
SP-60-3-P	6	3	0.75	450	≅1.25
SP-60-5-P	6	5	0.75	450	≅1.25
SP-120-3-P	12	3	1	300	≅1.25
SP-120-4-P	12	4	1	300	≅1.25
SP-120-5-P	12	5	1	300	≅1.25
SP-120-7-P	12	7	1	300	≅1.25
SP-200-3-P	20	3	1.1	200	≅1.25
SP-200-5-P	20	5	1.1	200	≅1.25
SP-300-3-P	30	3	0.9	100	≅1.25
SP-300-5-P	30	5	0.9	100	≅1.30

Product names and properties / preparative grades (minimum lot: 500g)					
	Pore Size (nm)	Particle Size (um)	Pore Volume (mL/g)	Surface Area (m ² /g)	Particle Size Distribution (D40/D90)
SP-60-10-P	6	10	0.75	450	≅1.30
SP-60-15-P	6	15	0.75	450	≅1.40
SP-60-20-P	6	20	0.75	450	≅1.40
SP-60-40/60	6	50	0.75	450	≅1.60
SP-120-10-P	12	10	1	300	≅1.30
SP-120-15-P	12	15	1	300	≅1.40
SP-120-20-P	12	20	1	300	≅1.40
SP-120-40/60	12	50	1	300	≅1.60
SP-200-10-P	20	10	1.1	200	≅1.30
SP-200-15-P	20	15	1.1	200	≅1.40
SP-200-20-P	20	20	1.1	200	≅1.40
SP-200-40/60	20	50	1.1	200	≅1.60
SP-300-10-P	30	10	0.9	100	≅1.30
SP-300-15-P	30	15	0.9	100	≅1.40
SP-300-20-P	30	20	0.9	100	≅1.40
SP-300-40/60	30	50	0.9	100	≅1.60