

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 particle sizes.

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 a 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

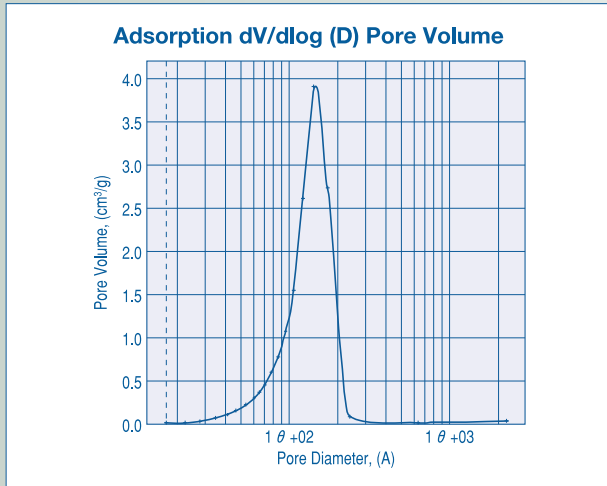
	Pore Size (nm)	Particle Size (μ m)	Particle Size Distribution (D40/D90)	Pore Volume (ml/g)	Surface Area (m ² /g)	Minimum Lot (g)
SP-60-3-P	6	3	≤ 1.25	0.75	450	50
SP-60-5-P	6	5	≤ 1.25	0.75	450	50
SP-120-3-P	12	3	≤ 1.25	1.0	300	50
SP-120-4-P	12	4	≤ 1.25	1.0	300	50
SP-120-5-P	12	5	≤ 1.25	1.0	300	50
SP-120-7-P	12	7	≤ 1.25	1.0	300	50
SP-200-3-P	20	3	≤ 1.25	1.1	200	50
SP-200-5-P	20	5	≤ 1.25	1.1	200	50
SP-300-3-P	30	3	≤ 1.25	0.9	100	50
SP-300-5-P	30	5	≤ 1.30	0.9	100	50

Product names and properties / preparative grades

	Pore Size (nm)	Particle Size (μ m)	Particle Size Distribution (D40/D90)	Pore Volume (ml/g)	Surface Area (m ² /g)	Minimum Lot (g)
SP-60-10-P	6	10	≤ 1.30	0.75	450	500
SP-60-15-P	6	15	≤ 1.40	0.75	450	500
SP-60-20-P	6	20	≤ 1.40	0.75	450	500
SP-60-40/60-P	6	50	≤ 1.60	0.75	450	500
SP-120-10-P	12	10	≤ 1.30	1.0	300	500
SP-120-15-P	12	15	≤ 1.40	1.0	300	500
SP-120-20-P	12	20	≤ 1.40	1.0	300	500
SP-120-40/60-P	12	50	≤ 1.60	1.0	300	500
SP-200-10-P	20	10	≤ 1.30	1.1	200	500
SP-200-15-P	20	15	≤ 1.40	1.1	200	500
SP-200-20-P	20	20	≤ 1.40	1.1	200	500
SP-200-40/60-P	20	50	≤ 1.60	1.1	200	500
SP-300-10-P	30	10	≤ 1.30	0.9	100	500
SP-300-15-P	30	15	≤ 1.40	0.9	100	500
SP-300-20-P	30	20	≤ 1.40	0.9	100	500
SP-300-40/60-P	30	50	≤ 1.60	0.9	100	500

DAISOGEL SP-P Series

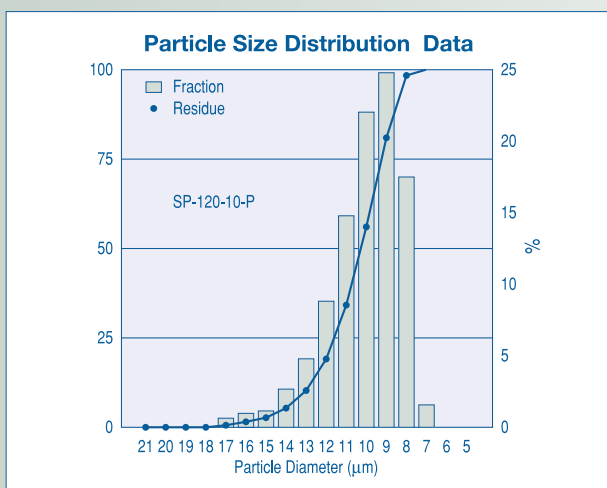
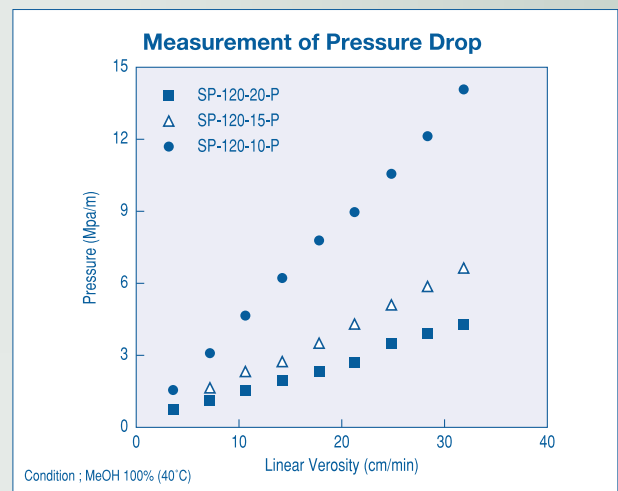
DAISOGEL C1-P Series
 DAISOGEL APS-P Series
 DAISOGEL SP-P Series
 DAISOGEL SWP Series
 DP GUARD FILTER



DAISOGEL's pore structure features the absence of performance-degrading micro pores which are not accessible by solute molecules and maximum surface area.

This leads to higher resolution for analytical applications and higher loading capacity for preparative applications.

Preparative grades packing material in the past have had a wide particle distribution. The advantage of DAISOGEL SP-P series packing material for preparative chromatography enables higher column efficiencies and lower operating pressure due to its narrow particle size distribution.



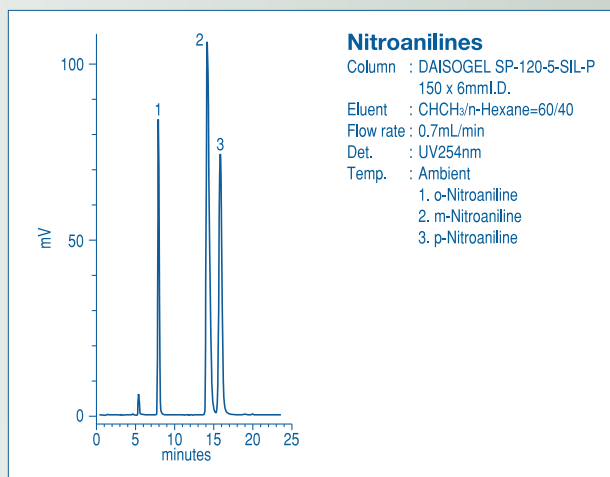
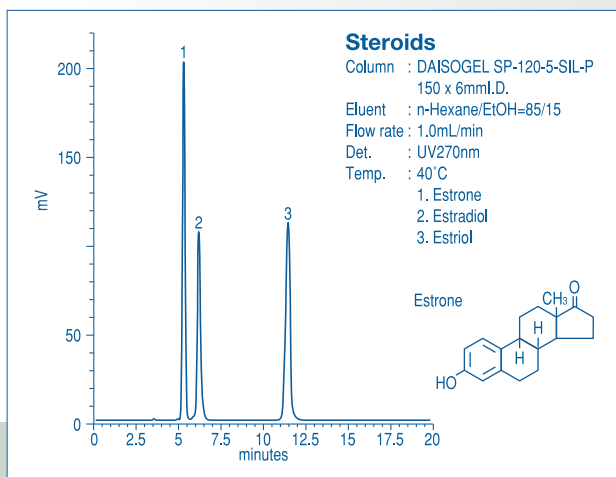
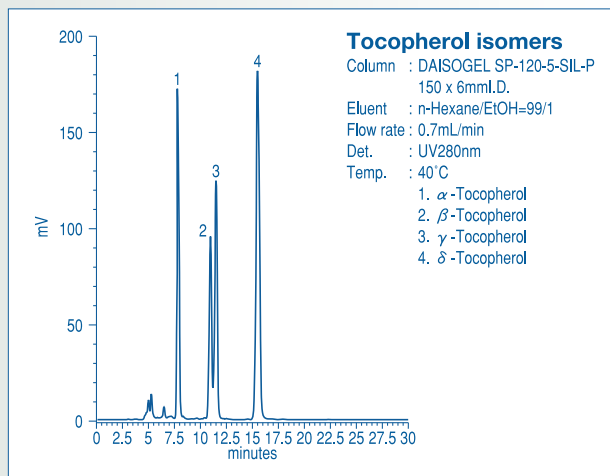
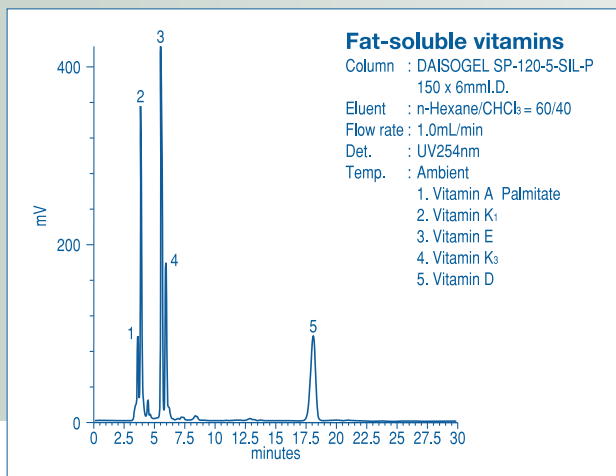
DAISOGEL SP-P packing's narrow particle size distribution provides better flow characteristics, improved column efficiency and longer column life.

SP-P Series

DAISOGE[®] SP-P Series

DAISOGE[®] C1-P Series
 DAISOGE[®] APS-P-P Series
 DAISOGE[®] SP-P Series
 DAISOGE[®] SWP Series
 DP GUARD FILTER

Applications



SP-P Series

