

Chromatographic Adsorbents for Column/TLC

Product Code	Product Name	CAS number	Specification	Pkg
66289	Aluminium Oxide activated (Acidic) Alumina	1344-28-1	Description almost white powder pH(10% Aqueous Solution) ~ 4.5 Adsorption capacity (o-Nitroaniline) min. 1mg/g Particle size (60-325 mesh BSS) min. 90%	500g, 5kg, 25kg
34321	Aluminium Oxide activated (Basic) (Alumina)	1344-28-1	Description almost-white fine powder pH(10% Aqueous Solution) 9.5-10.5 Adsorption capacity (o-Nitroaniline) min. 1mg/g Particle size (60-325 mesh BSS) min. 90%	500g, 5kg, 25kg
39882	Aluminium Oxide activated (Neutral) (Alumina)	1344-28-1	Description almost-white fine powder pH(10% Aqueous Solution) 6.8-7.5 Adsorption capacity (o-Nitroaniline) min. 1mg/g Particle size (60-325 mesh BSS) min. 90%	500g, 5kg, 25kg
62690	Aluminium Oxide G (Neutral) (Alumina) for TLC (with binder)	1344-28-1	Description a fine white powder pH(10% Aqueous Solution) ~ 7.5	500g, 5kg, 25kg
89465	Florisil 60-100 mesh	1343-88-0	Description white free flowing powder Mesh size (60-100 mesh) 80%	100g, 250g, 1kg, 5kg

Ion Exchange Media for Chromatography

Product Code	Product Name	CAS number	Specification	Pkg
10529	DEAE Cellulose 52	9013-34-7	Description white to off-white moist microgranules Capacity min. 1 meq/g (dry weight) Loss on drying max ~ 70%	10g, 25g, 100g, 1kg, 5kg
44923	Hydroxylapatite	1306-06-5	~ 25% solids suspension (10g solids/40ml) in 0.001M phosphate buffer pH 6.8 useful for purification of proteins. Description white crystalline solid in buffer Flow rate min. 25ml/hr/cm ² Albumin absorption capacity min. 10mg/g	40ml, 100ml
82374	P11 (Phospho Cellulose)			5g, 25g, 100g, 1kg, 5kg
52228	Seralite SRA-400 (equivalent to Amberlite IRA-400)		(strongly basic anion exchange resin) Description brown resinous beads Loss on drying max. 42-48% Ionic form Cl ⁻ Ion exchange capacity 3.0-3.5meq/g Cross-linking 8% pH range 0-14 Particle size 20-50 mesh BSS	250g, 500g, 5kg
14891	Seralite SRC-120 (equivalent to Amberlite IRC-120)		(strongly acidic cation exchange resin) Description yellow-brown resinous beads Loss on drying max. 45-50% Ionic form H ⁺ Ion exchange capacity min. 4.5meq/g Cross-linking 8% pH range 0-14 Particle size 20-50 mesh BSS	500g, 5kg
89830	Seralite WRC-50 (equivalent to Amberlite IRC-50)		(weakly acidic cation exchange resin) Description off-white resinous beads Loss on drying (C) max. 45-50% Ionic form H ⁺ Ion exchange capacity min. 10meq/g pH range 5-14 Particle size 20-50 mesh BSS	250g, 500g, 5kg

Note: All products can be offered in multiple kg bulk packs

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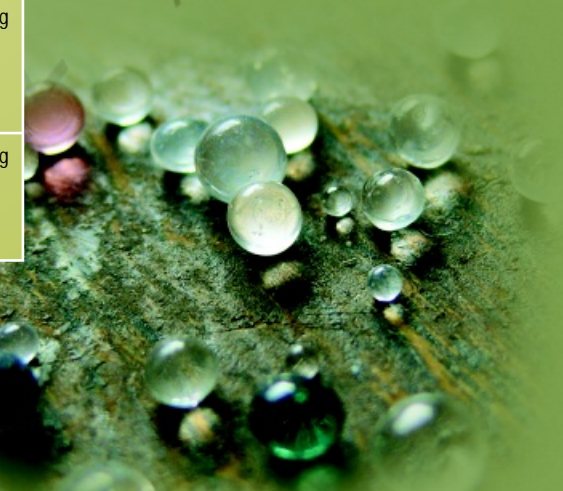
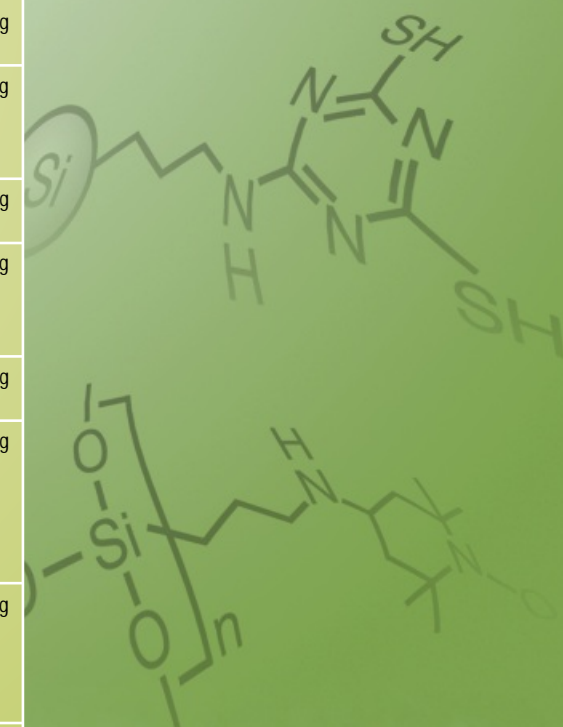
Silica Gels for Chromatography

CAS Number: 112926-00-8

Product Code	Product Name	Specification	Pkg
85148	Silica Gel 5-8 mesh Blue (Self Indicating) (Coarse)	Description Dark blue crystals or granules Cobalt (Co) max.0.5% Loss on Drying max.6% Absorption Capacity at 100% humidity min.35-40 Friability 99.5 Binder as CaSO4 NIL	500g, 5kg, 25kg
71548	Silica Gel 5-8 mesh Orange (Self Indicating)	Description Dark orange spherical beads Absorption Capacity at 20% humidity (RH) 9 Absorption Capacity at 50% humidity (RH) 22 Rate of Attrition min.0.2% Weight loss after heating 6-8% Color Variation @ 20% humidity (RH) Orange-Light Orange @ 50% humidity (RH) Light Orange-Light Green @ 90% humidity (RH) Green	500g, 5kg, 25kg
65856	Silica Gel 60-120 mesh	Description free-flowing fine white powder pH (10% aq. suspension) ~ 7.0 Activity Grade 2-3 (Brockmann)	500g, 5kg, 25kg
40449	Silica Gel 60-200 mesh	Description fine white free-flowing powder pH(10 % aq. suspension) ~ 7.0	500g, 5kg, 25kg
95178	Silica Gel 100-200 mesh	Description free-flowing fine white powder pH (10% aq. suspension) ~ 7.0 Activity Grade 2-3 (Brockmann)	500g, 5kg, 25kg
63025	Silica Gel 200-400 mesh	Description fine white free-flowing powder pH(10 % aq. suspension) ~ 7.0	500g, 5kg, 25kg
96671	Silica Gel 230-400 mesh	Description free-flowing fine white powder pH (10 % aq. suspension) ~ 7.0 Activity Grade 2-3 (Brockmann)	500g, 5kg, 25kg
36834	Silica Gel 400-700 mesh	Description fine white free-flowing powder pH(10 % aq. suspension) ~ 7.0	500g, 5kg, 25kg
51849	Silica Gel G for TLC according to Stahl with binder	Description very fine white powder pH (10% aq. suspension) ~ 7.0 Binder (CaSO ₄ ·1/2 H ₂ O) ~ 13% Adhesive Property passes test Organic Impurities passes test Suitability for TLC passes test	500g, 5kg, 25kg
52797	Silica Gel H for TLC without binder	Description fine white free-flowing powder pH (10% aq. suspension) ~ 7.0 Adhesive Property passes test Organic Impurities passes test Suitability for TLC passes test	500g, 5kg, 25kg
38062	Silica Gel GF254 for TLC with binder and fluorescent indicator	Description white fine powder pH (10% aq. suspension) ~ 7.0 Binder (CaSO ₄ ·1/2 H ₂ O) ~ 13% Adhesive Property passes test Suitability for TLC passes test	500g, 5kg, 25kg
29774	Silica Gel HF254 for TLC with binder and fluorescent indicator	Description white fine powder pH (10% aq. solution) ~ 7.0 Adhesive Property passes test Suitability for TLC passes test	500g, 5kg, 25kg

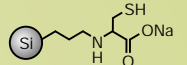
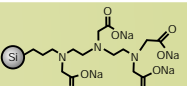
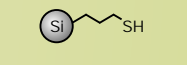
Offering highly pure Silica Gels for Column Chromatography, Thin Layer Chromatography (TLC), Flash Chromatography and Film Chromatography techniques.

SRL Silica Gels offer the most consistent particle sizes and chemical parameters enabling the user to get the optimum performance for research, quality control and production activities.



Silica Functionalized, Catalyst & Bonded Compounds

Note: All products can be offered in multiple kg bulk packs

Product code	Product Name	Specification	Pkg.	Category	Structure	Typical Characteristics					
						Particle Size	Colour	Endcapping	Molecular Loading	Typical Tap Density	Solvent Compatibility
77996	Silica Cysteine-Functionalized extrapure	This is the silica bound equivalent of the amino acid cysteine. It is a versatile scavenger for a variety of metals and the preferred metal scavenger for tin residues. By attaching the molecule to the backbone via the amino group, the thiol group remains free and accessible for higher metal scavenging efficiency. Frequently used for removal of metals such as: Cd, Fe, Ir, Os, Ru, Sc & Sn (preferred scavenger), Ca, Cr, Cs, Cu, La, Mg, Pd2+, Pd0, Pt, Rh+1, Rh+2 & Zn (also scavenges).	5g, 10g	Metal scavengers		40-63um, Pore Size - 60Å	Orange	Yes	0.30mmol/g	665g/L	Only organic solvents
46400	Silica DMT-Functionalized (Dimercaptotriazine) extrapure	Metal Scavenger, is the silica-bound equivalent of 2,4,6-trimercaptotriazine (trithiocyanuric acid, TMT). It is a versatile metal scavenger for a variety of metals and the preferred metal scavenger for ruthenium catalysts and hindered Pd complexes (i.e. Pd(dppf)Cl2). Frequently used for the removal of metals such as: Ir, Ni, Os, Pd2+, Pd0, Pt, Rh+1, Rh+2, Rh+3 & Ru (preferred scavenger), Cd, Co, Cu, Fe, Sc & Zn (also scavenges).	5g, 25g	Metal scavengers		40-63um, Pore Size - 60Å	Light Brown	Yes	0.50mmol/g	732g/L	All solvents, aqueous and organic
31156	Silica Imidazole-Functionalized extrapure	Metal Scavenger for removal of metals such as: Cd, Co, Cu, Fe, Ni, Os, W & Zn (preferred scavenger), Cr, Pd2+, Pd0, Rh1+, & Rh2+ (also scavenges). It is also the preferred scavenger for iron catalysts.	5g, 25g	Metal scavengers		40-63um, Pore Size - 60Å	Off-white	Yes	1.20mmol/g	681g/L	All solvents, aqueous and organic
68360	Silica TAAcOH-Functionalized extrapure	Metal Scavenger TAAcOH (Si-Triaminetetraacetic Acid is a silica bound metal scavenger for Pd(0), Ni(0) and Cu. It is the supported version of EDTA in its free form. It is an effective scavenger for metals in low or zero oxidation states, which includes many of the most synthetically useful catalysts such as tetrakis-(triphenylphosphine)palladium(0). Used for the removal of metals such as: Co, Ni, Os & Sc (preferred scavenger), Cr, Cs, Fe, Pd2+, Pd0, Rh1+, Rh2+ & Sn (also scavenges).	5g, 25g	Metal scavengers		40-63um, Pore Size - 60Å	Off-white	No	0.40mmol/g	635g/L	All solvents, aqueous and organic
28466	Silica TAAcONa-Functionalized extrapure	Metal Scavenger TAAcONa (Si-Triaminetetraacetic Acid, Sodium Salt) is a silica bound metal scavenger for Pd(II), Ni(II) and Cu. It is a supported version of EDTA in its sodium salt form and is useful for metals in higher oxidation states (2+ or higher). Used for the removal of metals such as: Cd, Cs, Cu, Fe, Ir, La, Li, Mg, Ni, Os, Rh3+, Sc & Sn (preferred scavenger), Cu, Ir, Pd, Rh1+, Rh2+, Cr, Pd2+, Pd0, Rh1+, Rh2+ & Zn (also scavenges).	5g, 25g	Metal scavengers		40-63um, Pore Size - 60Å	Off-white	No	0.40mmol/g	712g/L	All solvents, aqueous and organic
39343	Silica Thiol-Functionalized (STF) extrapure	One of our most versatile Metal Scavenger for the removal of metals for a variety of metals under a wide range of conditions. It has been used in pharmaceutical processes up to production scale. Used for the removal of metals such as: Ag, Hg, Os, Pd2+, Pd0 & Ru (preferred scavenger), Cu, Ir, Pd, Rh1+, Rh2+, Rh3+, Sc & Sn (also scavenges).	5g, 25g	Metal scavengers		40-63um, Pore Size - 60Å	White	Yes	1.20mmol/g	682g/L	All solvents, aqueous and organic
20356	Silica DPP-Pd (Diphenylphosphine Palladium) Catalyst extrapure	The significant costs associated with precious metal catalysts and their tendency to remain in organic products has generated interest for solutions that increase reactivity and can enable the recovery and reuse of these metals. Catalyst DPP-Pd is a unique diphenylphosphine palladium (II) heterogeneous catalyst made from a leach-resistant organoceramic matrix typically used for the following applications, Suzuki, Heck, Sonogashira, Kumada, Stille, etc.	5g, 10g	Heterogeneous catalysts		63-250um, Pore Size - 25-70Å	Orange	Yes	≥0.2mmol/g	415g/L	All solvents, aqueous and organic
45570	Silica TEMPO Catalyst extrapure	Catalyst TEMPO is an oxidizing catalyst made from organosilica-entrapped radicals making it highly efficient and selective compared to homogeneous TEMPO reagents. This encapsulation process confers enhanced reactivity and properties. The leach-resistant organoceramic matrix gives it superior performance compared to polymer-supported TEMPO and silica-supported TEMPO in terms of both selectivity and stability. No activation is required prior to use. Typical applications: Oxidation of alcohols or aldehydes.	5g, 10g	Heterogeneous catalysts		63-250um, Pore Size - 25-70Å	Orange	Yes	≥0.7mmol/g	639g/L	All solvents, aqueous and organic
78339	Silica C18 (17%) Bonded monomeric extrapure	This is the most efficient deactivated C18 reversed-phase. This versatile support is the best choice for your applications in reversed-phase chromatography.	5g, 25g	Chromatographic phases		40-63um, Pore Size - 60Å	White	Yes		N/A	All solvents, aqueous and organic
43139	Silica Carbonate Bonded extrapure	This product is the silica bound equivalent of tetramethylammonium carbonate. Used as a heterogenous catalyst in the Henry reaction, Silica Carbonate Bonded is replacing the use of expensive and toxic heterogeneous catalysts. When used in catalytic amounts, it may drive the reaction forward to high yield with or without solvent. It can be used as a general base to quench a reaction, to free base amines in their ammonium salt form and to scavenge acids and acidic phenols, including HOBt, which is widely used in amide coupling reactions. It is also very efficient at scavenging boronic acids.	5g, 25g	Organic scavengers and reagents		40-63um, Pore Size - 60Å	Off-white powder	No	≥0.46mmol/g	608g/L	
35228	Silica Cyano Bonded extrapure	Can be used both in normal and reversed-phase chromatography as its polarity marks the separation between the polar and non-polar phases. This product is the least retentive polar sorbent in normal phase chromatography and the least retentive of the non-polar sorbents in reversed-phase chromatography. Typical Application: Separations.	5g, 25g	Chromatographic phases		40-63um, Pore Size - 60Å	White	Yes	≥1.38mmol/g	700g/L	All solvents, aqueous and organic
30753	Silica Diol Bonded extrapure	It is used as a boronic acid scavenger. It may be used as polar sorbent in normal phase and aqueous size exclusion chromatography. Like bare silica, Silica Diol Bonded has the ability to form hydrogen bonds and the capacity to separate structural isomers. Since most of its surface is covered with organic functions, this compound absorbs less water, which leads to a more reproducible activity. It is also the sorbent of choice when working in normal phase in the presence of water. It has a different selectivity than bare silica gel and slight modifications in the composition of the solvent mixture may be necessary to obtain similar retention.	5g, 25g	Organic scavengers, Chromatographic phases		40-63um, Pore Size - 60Å	Off-white powder	No	≥0.97mmol/g	688g/L	All solvents, aqueous and organic
92868	Silica TMA Acetate (Trimethylammonium Acetate) Bonded non-endcapped extrapure	A strong anion exchange sorbent with a low-selectivity acetate counter ion already in place. Typical loading is 1.00 mmol/g, which is higher than available equivalents. This sorbent more favorably retains acidic compounds with pKas < 5, such as carboxylic acids. This property can be used in synthetic & chemistry applications to selectively purify acidic compounds or remove acidic impurities from reaction mixtures.	5g, 25g	Organic scavengers, Chromatographic phases		40-63um, Pore Size - 60Å	Off-white powder	No	≥0.71mmol/g	665g/L	All solvents, aqueous and organic
50648	Silica Tosic Acid Bonded extrapure	This product is in a class of strong acids used in different fields of synthetic organic chemistry. The aromatic ring makes it slightly more acidic than other supported sulfonic acids. This product used as an acid catalyst for Fischer-Speier esterification and provides excellent conversion. Due to the very low pKa (< 1) these functions are strong cation exchangers since they maintain a negative charge throughout the pH scale. The most common use is likely for 'Catch and Release' purifications. It is widely used for the scavenging of amines and other basic functionalities including weakly basic anilines, borohydrides and metals such as Ni and Ag. Silica Tosic Acid Bonded can serve as an alternative method to quench reactions instead of aqueous or organic soluble acids. It has been specially optimized for use in organic applications and will not dissolve in methanol or any other solvents. It delivers much higher recovery and has better flow characteristics than corresponding polymer.	5g, 25g	Organic scavengers, Reagents, Chromatographic phases		40-63um, Pore Size - 60Å	Off-white powder	Yes	≥0.54mmol/g	743g/L	All solvents, aqueous and organic