

Product Information

CHROMATOCEL® S-200

Silica gel (silicon dioxide)/chromatography grade

CAS NUMBER

112926-00-8

PRODUCT DESCRIPTION

A powdered silica gel (silicon dioxide) for use in chromatography, batch extractions and decolorizations.

Typical Properties

Property	Unit	Value
Chemical Name Silicon Dioxide		Silica Gel
Density	g/l	450-550
Loss on Drying, max.	wt%	5
Particle Size 80x230 mesh		D(50) 100-145 µm
pH Value		6.5-7.5
Pore Diameter, Average	nm	7
Pore Volume	ml/g	0.75-1.00
Surface Area	m ² /g	450-600
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The data represents typical values (no product specification)

TYPICAL APPLICATIONS

Large scale liquid chromatography

Small molecule purification

API purification

Fine chemical purification

Product Composition

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Chloride (Cl) Content, max.	%	0.01
Iron (Fe) Content, max.	ppm	400
Silicon Dioxide (SiO₂) Content	wt%	99.0-100.0

The data represents typical values (no product specification)

BENEFITS & ADVANTAGES

Optimized particle size, surface area, pH, and purity make it a particularly useful material for the separation of small molecules, peptides, lipids and a variety of other compounds.

PACKAGING

28 lbs (12.7 kg) bags

30 lbs (13.6 kg) drums

60 lbs (27.2 kg) drums

1,103 lbs (500 kg) bags

STORAGE

Activated alumina should be protected from exposure to the atmosphere to minimize adsorption of water

vapor, which is highly deactivating for powdered aluminas like Chromatocel (liquid water is also highly deactivating).

SHELF LIFE

3 years in original packaging stored in a dry, covered location

Disclaimer

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