

## Product Information

# CHROMATOCEL® S-060

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
<b>Bulk Density</b>	kg/m <sup>3</sup>	500-600
<b>Chemical Name</b>		Silica Gel
Silicon Dioxide		
<b>Loss on Drying, max.</b>	wt%	5
<b>Particle Size</b>		D(50) 37-63 µm
230x400 mesh		
<b>pH Value</b>		6.5-7.5
<b>Pore Diameter, Average</b>	nm	7
5-8 nm		
<b>Pore Volume</b>	ml/g	0.60-0.80
<b>Surface Area, min.</b>	m <sup>2</sup> /g	450-600

The data represents typical values (no product specification)

## TYPICAL APPLICATIONS

Large scale liquid chromatography

Small molecule purification

API purification

Fine chemical purification

### Product Composition

Product Composition	Unit	Value
<b>Chloride (Cl) Content, max.</b>	wt%	0.02
<b>Iron (Fe) Content, max.</b>	wt%	0.02
<b>Silicon Dioxide (SiO<sub>2</sub>) Content</b>	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

In the original sealed container under ambient conditions

#### Disclaimer

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