

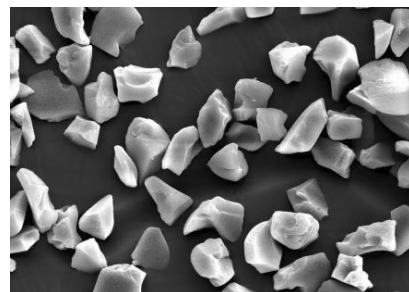
## Silica Gel, Enhanced Grade, 60A, 40-63um

Silica quality is achieved using a controlled manufacturing process, from highly pure raw materials to tightly monitored production methods. A large, automated batch scale process (180kg) is used to produce Sorbtech Enhanced Grade, providing high quality reproducible chromatographic separations with uniformity between batches.

The efficiency of liquid chromatography relies on narrow particle size distributions (typically >90% in range), very high mechanical stability, and a high specific surface area to deliver consistent and reliable results. This irregularly shaped porous silica is specifically created to use in liquid chromatography as column packing material for general purification of natural products, food, cosmetics, pharmaceutical, and nutraceutical ingredients.

### **Reliable silica for your research**

Sorbtech Enhanced Grade is a proven, highly successful packing material that provides fast, effective, and reproducible separations. Sorbtech Enhanced Grade is available in multi-ton quantities with a wide variety of package sizes to meet individual applications and economic requirements.



Test Criterion	Unit	Specification
Under size, air jet sieve Alpine 40 µm	% w/w	≤ 10.0
Over size, air jet sieve Alpine 63 µm	% w/w	≤ 10.0
Residual water, 160°C, 15 min	% w/w	2.0 - 4.0
Tapped bulk density ISO 787-11	g/L	460 - 550
Conductivity, ausp. 5% w/w, ISO 787-9	µS/cm	≤ 200
pH-value, suspension 5% w/w, ISO 787-9	pH	6.5 - 7.5
Pore volume, N2 isotherm	mL/g	0.70 - 0.85
Surface specific, N2 isotherm, sBET	m <sup>2</sup> /g	470 - 530
Pore size calculated, N2 isotherm	Å	52 - 73

**Storage** Store silicas in original, sealed packaging. Seal tightly after each use.

**Packaging Size** 500g, 1kg, 2.5kg, 5kg, 25kg

**CAS-Nr.** 7631-86-9

**EINECS-Nr.** 231-545-4

**REACH-Nr.** 01-2119379499-16-0036

**Customs Tariff** 2811.22