

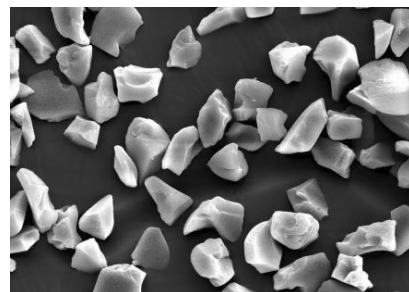
## Silica Gel, Technical Grade, 60A, 40-63um

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 Technical 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 Technical Grade is a proven, highly successful packing material that provides fast, effective, and reproducible separations. Sorbtech Technical 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 32 µm	% w/w	≤ 10.0
Over size, air jet sieve Alpine 71 µm	% w/w	≤ 10.0
Residual water, 160°C, 15 min	% w/w	≥ 7.0
pH-value, suspension 5% w/w, ISO 787-9	pH	6.0 - 8.0
Tapped bulk density ISO 787-11	g/L	400 - 600
Pore volume, N <sub>2</sub> isotherm	mL/g	0.65 - 0.90
Surface specific, N <sub>2</sub> isotherm, sBET	m <sup>2</sup> /g	450 - 550
Pore size calculated, N <sub>2</sub> isotherm	Å	47 - 80

**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