Sorbtech
*Separate. Purify. Discover.*

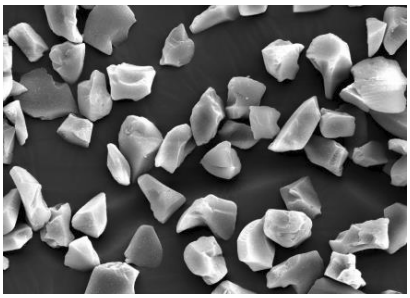
# PRODUCT DATA SHEET
Product #40930H

## Silica Gel, Standard 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 Standard 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 Standard Grade is a proven, highly successful packing material that provides fast, effective, and reproducible separations. Sorbtech Standard 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 | 4.0 - 6.0 |
| Tapped bulk density ISO 787-11 | g/L | 470 - 530 |
| 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 | $m^2/g$ | 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