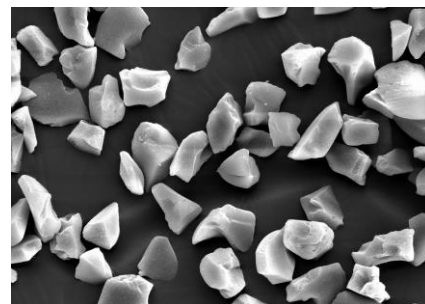


ZEOprep® 60 DIOL / 40-63 µm Technical Data Sheet

ZEOprep® irregular Silica is one of the most widely used chromatography sorbents worldwide. Used as industrial column packing material for general purification of natural products, food, cosmetics as well as in pre-purification of pharmaceutical and nutraceutical ingredients. Bonded phases are preferable used in liquid chromatography, flash chromatography and solid phase extraction.

ZEOprep® Silica is produced at Zeochem's ISO-9001 certificated facility. Strict QC controls from raw material to finished product ensure high lot-to-lot reproducibility and tightly controlled specifications.

ZEOprep® Silica's are available in multi tons quantities with a wide variety of packing sizes to meet individual applications and economic requirements.



Typical Properties

| Pos. | Method | Parameter/con. of meas. | Unit | Specification |
|--------|---------|---|-------------------|---------------|
| 010.01 | SPZ-016 | Under size, air jet sieve Alpine 40 µm | % w/w | ≤ 10.0 |
| 010.02 | SPZ-016 | Over size, air jet sieve Alpine 63 µm | % w/w | ≤ 10.0 |
| 020.01 | SPZ-501 | w(C), carbon content | % w/w | ≥ 5.0 |
| 030.01 | SPZ-012 | Pore volume, N ₂ isotherm | mL/g | 0.70 - 0.85 |
| 030.02 | SPZ-012 | Surface specific, N ₂ isotherm, sBET | m ² /g | 470 - 530 |
| 030.03 | SPZ-012 | Pore size calculated, N ₂ isotherm | nm | 5.2 - 7.3 |

Additional Information

| | |
|-----------------|---|
| Storage | ZEOprep® Silica's can be stored in original, sealed packaging for at least 5 years after date of release. Seal tightly after each use. |
| Packaging Size | 1kg PE bottle |
| Safety | In accordance with Regulation (EC) No. 1272/2008 (GHS/CLP) and Directive 1999/45/EC, the product does not need to be classified nor labelled. |
| CAS-Nr. | 7631-86-9 |
| EINECS-Nr. | 231-545-4 |
| REACH-Nr. | 01-2119379499-16-0299 |
| Customs Tariff: | 2811.22 |