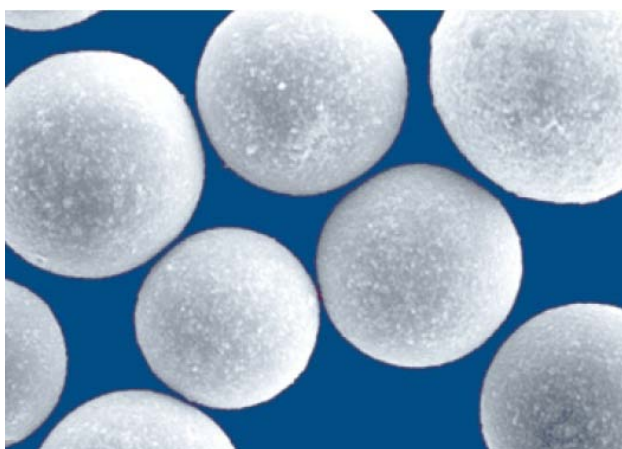




ZEOsphere® - The spherical silica gel of choice

ZEOsphere® is a tradename of a series of perfectly spherical silica gel, especially tailored for liquid chromatography.

Its uniform particle size yields a highly pressure stable silica gel, which is free of fines, giving optimum and stable column packing characteristics. The liquid chromatography separation process applied typically results in high product yield. Reasons are significant, including its narrow pore size distribution, high BET surface area and low metals content.



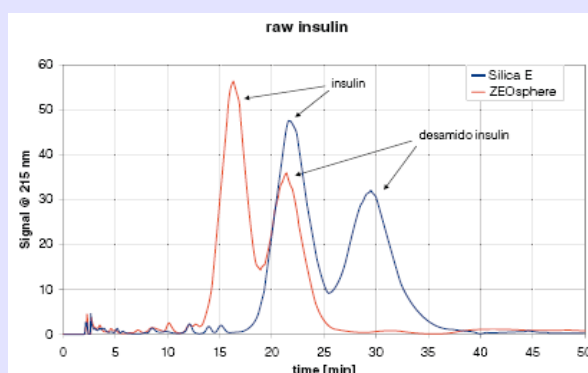
SEM of ZEOsphere® 100 15µm

All these characteristics are being achieved in large scale commercial production in Switzerland. For further detail see below table.

High mechanical stability, purity and reproducibility make ZEOsphere® the perfect choice for demanding preparative applications.

Advantages of ZEOsphere®

- ▶ Tailored for demanding preparative chromatography separations
- ▶ High mechanical stability
- ▶ Availability in various pore sizes, ranging from 7–30 nm
- ▶ Availability in various particle sizes, ranging from 10-20 µm (other sizes available upon request)
- ▶ Zeochem's proprietary modification technology allowing perfect bonding, resulting in state-of-the-art separation
- ▶ Outstanding bonding technology, including C4, C8, C18, etc. (other bonding available upon request)
- ▶ Large scale manufacture
- ▶ Tailored solutions for obtaining high resolution, good peak shapes and short elution time



Chromatographic separation of insulin and desamido-insulin using our ZEOsphere® C18 silica gel.

ZEOsphere® - The spherical silica gel dedicated to preparative chromatography

	ZEOsphere® 70	ZEOsphere® 100	ZEOsphere® 200	ZEOsphere® 300
Avg. Pore Diameter	7 nm	10 nm	20 nm	30 nm
BET Surface Area	500 m ² /g	320 m ² /g	200 m ² /g	100 m ² /g
Pore Volume	0.8 - 1.1 ml/g			
Particle Sizes	10 µm • 15 µm • 20 µm			
	ZEOsphere® 70 C18	ZEOsphere® 100 C18	ZEOsphere® 200 C18	ZEOsphere® 300 C18
Carbon Content	22 %wt.	20 %wt.	14 %wt.	7 %wt.
Particle Sizes	10 µm • 15 µm • 20 µm			

Disclaimer

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