

SVEA™

SWEDISH EXCELLENCE IN NANOPOROUS SILICA
(U)HPLC Columns

SVEA™ C18 Gold

SVEA™ C18 Gold is made of fully porous Type B Silica with a dimethyloctadecylsilane bonded phase. It is the first-choice LC column for a wide range of analytes. The high carbon load provides high retention and selectivity for compounds with moderate to high lipophilicity. Thorough end-capping combined with very low acidity and homogeneously distributed residual silanol groups result in excellent peak shape and efficiencies with bases as well as acidic compounds. Strict controls from raw material to finished product ensure high batch-to-batch reproducibility and tightly controlled specifications.

TYPICAL VALUES

Property	Method of Analysis	Value	Unit
Available particle size	Coulter counter (Elzone)	5, 3.5, 1.7	µm
Particle size distribution d90/d10	Coulter counter (Elzone)	See table below	N/A
Pore volume	Nitrogen adsorption (BET)	0.85	ml/g
Surface area	Nitrogen adsorption (BET)	300	m ² /g
Pore size	Nitrogen adsorption (BET)	110	Å
Carbon load	SS-EN 15407:2011	19	%
Ligand density	Calculated	3.7	µmol/m ²

Particle size (µm)	Particle size distribution
5	≤ 1.5
3.5	≤ 1.5
1.7	TBD

ADDITIONAL INFORMATION

Storage: Flush out all buffers from the columns and store the column in an organic solvent mixture (e.g. 70/30 acetonitrile/water). Ensure that the end-fittings of the column are properly sealed to avoid drying of the column bed. Store at the ambient temperature.

