SVEA™

SWEDISH EXCELLENCE IN NANOPORUS SILICA
(U)HPLC Columns

SVEA™ C8

SVEA™ C8 is made of fully porous Type B Silica with a dimethyloctylsilane bonded phase. SVEA™ C8 is an alternative media to SVEA C18 Gold that gives lower retention. Due to the more hydrophilic nature of the bonded phase, ionized acids and especially bases can have better peak shapes and different selectivity compared to SVEA™ C18 Gold.

Recommended for mixture containing moderately polar and very hydrophobic compounds.

TYPICAL VALUES

Property	Method of Analysis	Value	Unit
Available particle size	Coulter counter (Elzone)	5, 3.5	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	11	%
Ligand density	Calculated	3.7	$\mu mol/m^2$

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

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.

NANOLOGICA