

# SVEA™

SWEDISH EXCELLENCE IN NANOPOROUS SILICA  
(U)HPLC Columns

## SVEA™ C4

SVEA™ C4 is made of fully porous Type B Silica with a dimethylbutylsilane bonded phase. SVEA™ C4 is recommended for extremely lipophilic compounds to reduce analytical time. Excellent starting point for analyzing peptide and protein mixtures. For intermediately polar analytes, such as amino acids, SVEA™ C4 can also be run in HILIC-mode.

### 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 <sup>2</sup> /g
Pore size	Nitrogen adsorption (BET)	110	Å
Carbon load	SS-EN 15407:2011	7	%
Ligand density	Calculated	3.7	µmol/m <sup>2</sup>

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.

