SVEA™

SWEDISH EXCELLENCE IN NANOPORUS SILICA
(U)HPLC Columns

SVEA™ Amino

SVEA™ Amino is coated with a proprietary bonding technology using organic silane containing aminopropyl functional group, which can reach equilibrium faster and is less sensitive to the water content of the mobile phase than silica columns. The SVEA™ Amino column is suitable for most applications of normal phase chromatography and can also be run in HILIC mode. It can be used for polar compounds in normal phase analysis, and for weak anion exchange or mixtures including water in reverse phase analysis.

The Amino column is widely used in the reversed-phase analysis of xylose, lactose, glucose and other sugars.

SVEA™ Amino can be used at a wide pH range (2-10) and at temperatures up to 60°C.

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	6	%
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 ethanol. Ensure that the end-fittings of the column are properly sealed to avoid drying of the column bed. Store at the ambient temperature.

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