SVEA™

SWEDISH EXCELLENCE IN NANOPOROUS SILICA

Svea HPLC and UHPLC Columns

- HIGH EFFICIENCIES
- LONG COLUMN LIFE CYCLE
- ULTRA PURE BDS

Phase	Particle Size	Pore Size	Surface Area	Carbon Load	End-capped	USP L-Code
C18	2.6, 3.5, 5 µm	110 Å	300 m^2/g	19 %	Yes	L1
C8	2.6, 3.5, 5 µm	110 Å	300 m^2/g	11 %	Yes	L7
C4	2.6, 3.5, 5 µm	110 Å	300 m^2/g	7 %	Yes	L26
PhenylHexyl	2.6, 3.5, 5 µm	110 Å	300 m^2/g	16 %	Yes	L11
PFP	2.6, 3.5, 5 µm	110 Å	300 m^2/g	11 %	Yes	L43
Cyano	2.6, 3.5, 5 µm	110 Å	300 m^2/g	7 %	Yes	L10

- Densely bonded carbon ligand
- Patented technology for manufacturing of ultra pure base-deactivated silica
- Narrow particle size distribution
- Narrow pore size distribution 110Å
- Very low peak tailing
- pH tolerance 1-9*

**C18 and C8*

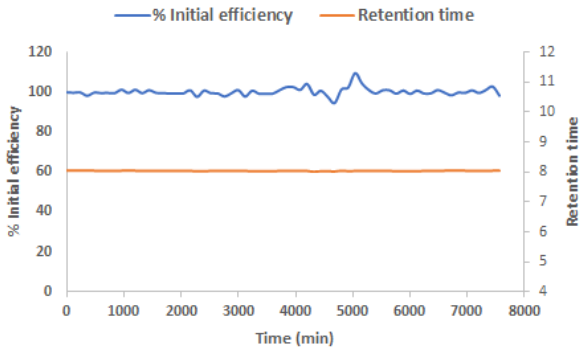
NANOLOGICA

COLUMN LIFE CYCLE

Stability in low and high pH: SVEA C18 Gold 5µm 100x4.6 mm

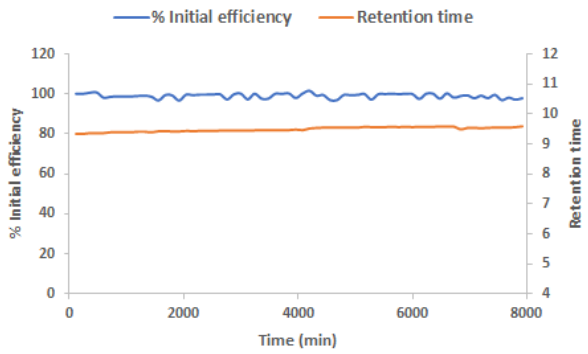
ACIDIC CONDITIONS

Column : SVEA C18 Gold 100x4.6 mm 5 µm
Mobile Phase : A - 1% TFA in water, pH 0.9
B - 1% TFA in acetonitrile
Flow Rate : 1.0 mL/min
Temperature : 60°C
Analyte : Ethylbenzene
Gradient cycle : 10-90% B for 5 min
90% B for 2 min
90-10% B for 1 min
10% B for 2 min



BASIC CONDITIONS

Column : SVEA C18 Gold 100x4.6 mm 5 µm
Mobile Phase : A - 10 mM ammonium bicarbonate, pH 9.6
B - Acetonitrile
Flow Rate : 1.0 mL/min
Temperature : 45°C
Analyte : Progesterone
Gradient cycle : 10-90% B for 5 min
90% B for 2 min
90-10% B for 1 min
10% B for 2 min



Chemistry	C18	C8	C4
pH Range	1-10	1-9	1-8
Temperature Limits	Low pH = 60 °C High pH = 40 °C	Low pH = 50 °C High pH = 40 °C	Low pH = 40 °C High pH = 40 °C

CONTACT DETAILS AND ORDER INFORMATION

For information, technical support, and order inquires:

+ 46 8 410 749 49

info@nanologica.com

www.nanologica.com

NANOLOGICA