

NovaSil C8

NovaSil C8 has highest carbon load compare to all other C8 phase. It has highest working pH range. The fully endcapped uniform octyl stationary phase provide high efficiency with lower hydrophobicity. These columns recommended for separating the compounds which are strongly retained on C18 phases

- High surface area for strong retention of hydrophobic and polar compounds
 - Column-to-Column reproducibility
 - Suitable for separations of acidic, neutral and basic organic compounds, as well as pharmaceuticals raw material to finished product and peptides
 - Suitable for separations in organic or mixed organic/aqueous mobile phases.

Physical Properties

	NovaSil C18	NovaSil C8
Silica	High Purity $\geq 99.99\%$	
Pore Size	100Å	
Particle Size	3, 5, 10 μm	3, 5, 10 μm
Surface Area	320 m ² /g	
% Carbon Load	19%	11%
End Capping	Yes	Yes
pH Range	1–12	1–12

Application

- 1) Levocetirizine HCl Assay analysis as per IP Pcolumn:
NovaSil C18 5 μ m, 250X4.6mm, P/N:NO185025046-0

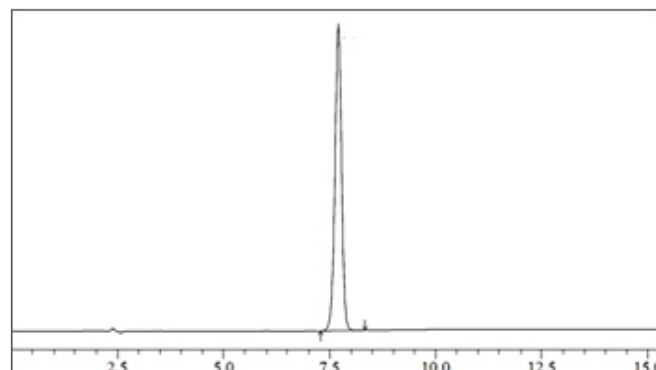
Mobile Phase: a mixture of 60 volumes of 0.05 M potassium dihydrogen phosphate and 40 volumes of acetonitrile, adjust the pH to 6.0 with 10 per cent w/v of sodium hydroxide

Flow Rate: 1.0 mL/min

Wavelength: 230nm

Injection Volume: 20 μ L

Sample: Levocetirizine HCl



- 2) Typical QC chromatogram Column:

Column: NovaSil C18 5 μ m, 100X4.6mm,
P/N:NO185010046-0

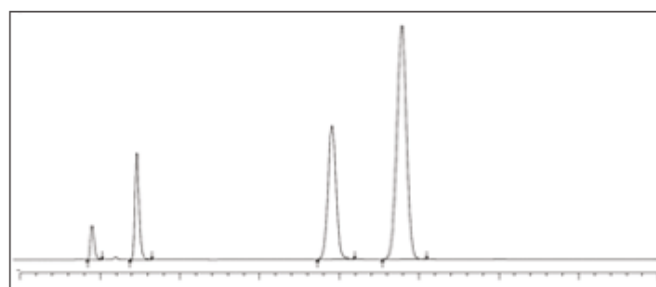
Mobile Phase: Mobile Phase: Water: ACN (35/65%V/V)

Flow Rate: 1.0 mL/min

Wavelength: 254nm

Injection Volume: 5 μ L

Sample: Uracil, Phenol, Toluene, Naphthalene



Column Reproducibility:

When developing analytical method for pharmaceuticals and biopharmaceutical product reproducible HPLC columns are essential. Over the lifetime of new drug development, achieving same chromatographic result is critical. NovaSil Column provide column to column and batch to batch reproducibility.

