OROCHEM
Molecular Purification by Design

HPLC Matrix

Matrix C 18

uses base-deactivated, ultra-high purity silica gel, densely bonded to produce an inert material ideally suited for the analysis of basic compounds. The resulting hydrophobic surface is also stable over a wide pH range (2-9) to allow for excellent method flexibility.

Matrix C 18 AQ

has been specifically designed for the analysis of polar analytes in high aqueous mobile phases. Matrix C18 AQ features the traditional C18 groups interspersed with hydrophilic end-capping groups. The resulting material is easily wettable and, unlike conventional C18 materials, does not exhibit retention loss in high aqueous conditions.

Benefits

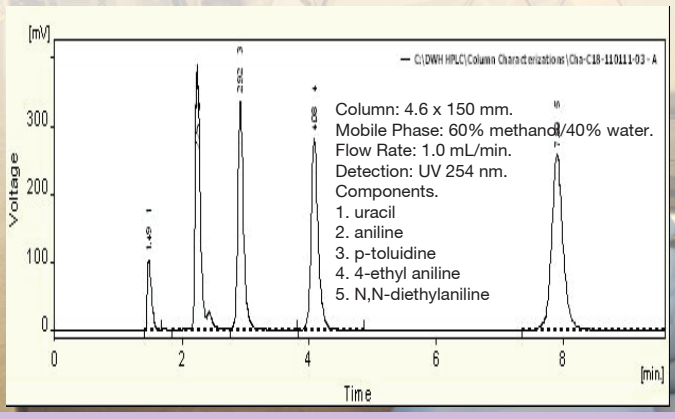
- Ultra-high purity silica
- C18 AQ version for high aqueous conditions

Features

- Available Phases: C18, C18 AQ, C8, and NH2
- Particle Sizes: 3 and 5 µm
- Surface Area: 325 m2/g
- Pore Size: 100 Ǻ
- Pore Volume: 0.95
- pH Range: 2-9
- % Carbon Load of C18: 16

Performance

Separation Of Basic Analytes using a Typical C18 Column



Separation Of Basic Analytes using a Matrix C18 Column