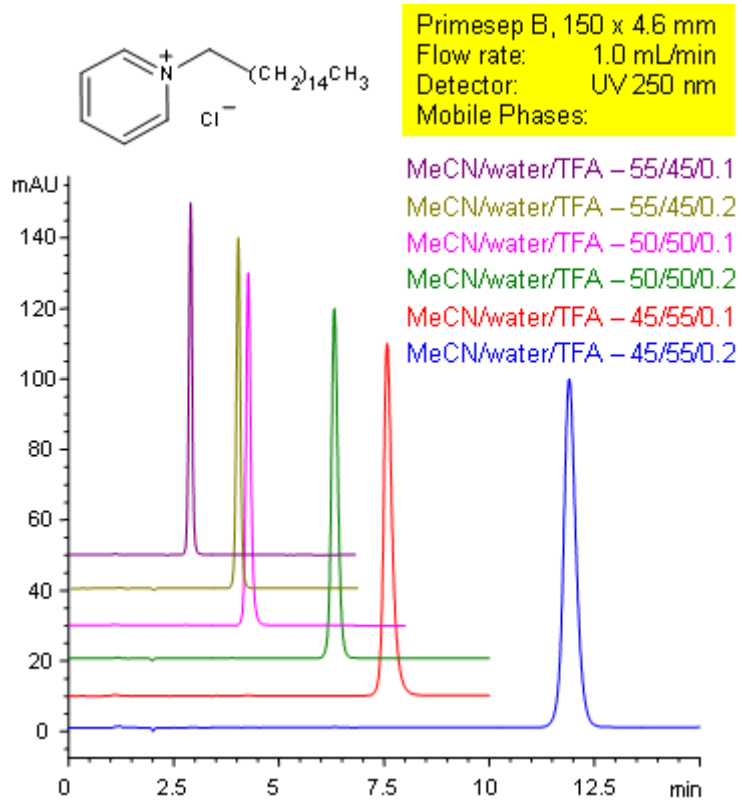
Cetylpyridinium Methods with Good Efficiency and Peak Symmetry

https://sielc.com/Application-Cetylpyridinium-Methods-With-Good-Efficiency-and-Peak-Symmetry

Chromatogram



Description

Primesep B separates tertiary amines, such as cetylpyridinium with symmetrical peak shape by a combination of reversed-phase and ion-exclusion mechanisms. The embedded basic functional group on the stationary phase shields the underlying silanols to prevent peak tailing. Retention time can be changed by changing either organic content or acid content in the mobile phase. C18 reversed-phase columns do not typically show this tuning ability with acid content. Excellent peak shape results with a mass spec compatible mobile phase of water, acetonitrile (MeCN, ACN) and trifluoracetic acid (TFA) with UV detection at 250 nm.

Method Parameters

Mobile Phase	MeCN/H2O
Buffer	TFA
Flow Rate	1.0 ml/min
Detection	UV 210nm
Class of Compounds	Surfactant, Hydrophobic, Ionizable
Analyzing Compounds	Cetylpyridinium Chloride

HPLC Column Used

Primesep B, 4.6×150 mm, 5 µm, 100A

Order this column at hplc-shop.de →