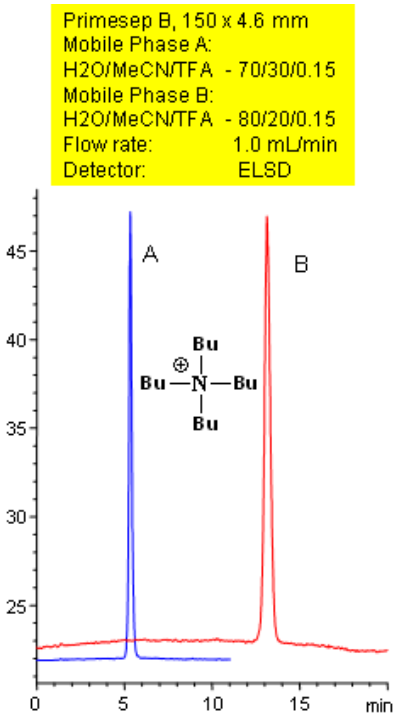
Separation of Quaternary Amines by Reverse-Phase Mechanism



Primesep B separates quaternary amines, such as t-butylamine 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. Excellent peak shape results with a mass spec compatible mobile phase of water, acetonitrile (MeCN, ACN) and trifluoracetic acid (TFA) with evaporative light scattering detection (ELSD).

Method Parameters

Column	Primesep B, 4.6×150 mm, 5 µm, 100 Å
Mobile Phase	MeCN/H2O
Buffer	TFA
Flow Rate	1.0 mL/min
Detection	ELSD

Quelle: https://sielc.com/Application-Separation-of-Quaternary-Amines-By-Reverse-Phase-Mechanism