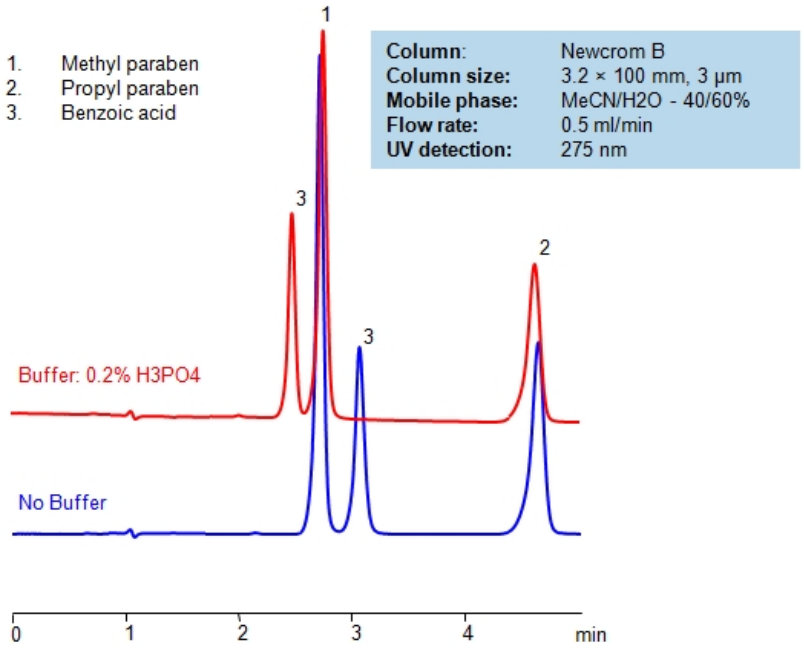
HPLC Separation of Parabens and Benzoic Acid



Parabens possess antibacterial and antifungal properties and are therefore widely used in pharmaceutical and cosmetic industries as preservatives in products. Parabens and benzoic acid can be baseline separated in a short time frame using Primesep B2 reverse-phase HPLC column with a simple mobile phase of water, acetonitrile (ACN, MeCN) and phosphoric acid of 0.1% as buffer. UV detection at 210 nm.

The Newcrom columns are a family of reverse-phase-based columns. Newcrom A , AH , B , and BH are all mixed-mode columns with either positive or negative ion-pairing groups attached to either short (25 Å) or long (100 Å) ligand chains. Newcrom R1 is a special reverse-phase column with low silanol activity.

Method Parameters

Column	Primesep B2, 4.6×150 mm, 5 µm, 100 Å
Mobile Phase	MeCN/H2O
Buffer	H3PO4
Flow Rate	1.0 mL/min
Detection	UV, 210 nm

Quelle: https://sielc.com/Application-HPLC-Separation-of-Parabens-and-Benzoic-Acid