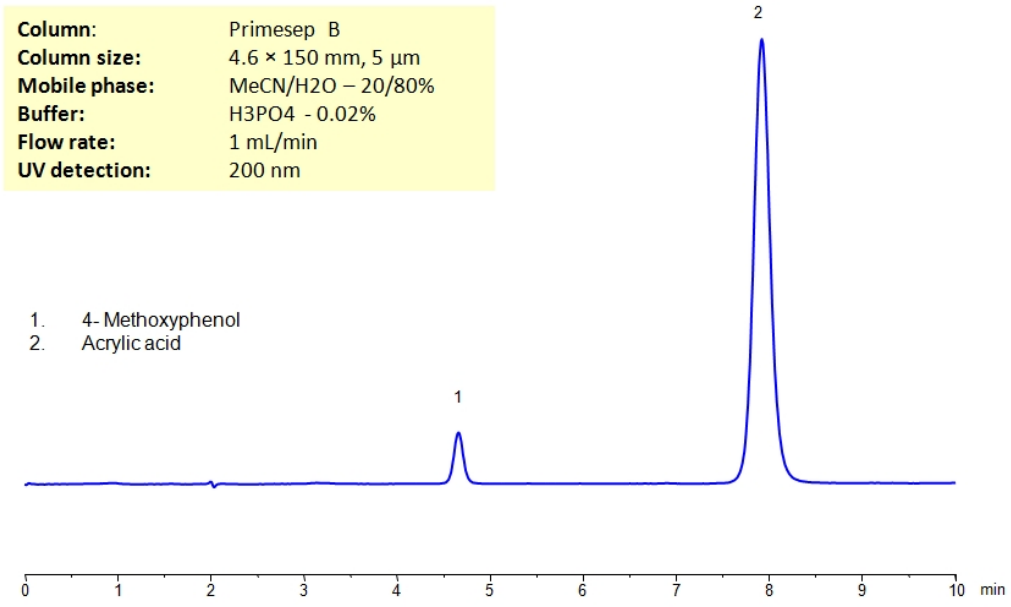
HPLC Separation of Acrylic Acid and 4- Methoxyphenol on Primesep B Column



Acrylic acid in combination with other monomers produces copolymers which are used in manufacturing of various products such as paints, adhesives and plastics. Esters and salts of acrylic acid are known as acrylates. 4-methoxyphenol, also known as mequinol, is an active ingredient in topical drugs and is also used for inhibition of radical polymerization of monomers like acrylates. The two compounds can be separated on a mixed-mode Primesep B column with isocratic method in mobile phase of 20/80 Acetonitrile (ACN) and water with 0.02% phosphoric acid buffer. UV Detection 200 nm.

Method Parameters

Column	Primesep B, 4.6×150 mm, 5 µm, 100 Å
Mobile Phase	MeCN/H2O – 20/80%
Buffer	H3PO4 – 0.02%
Flow Rate	1.0 mL/min
Detection	UV, 200 nm

Quelle: https://sielc.com/hplc-separation-of-acrylic-acid-and-4-methoxyphenol

AugustaChrom - Dr. Roland Kießwetter
Tel.: +49 821 599 783 70
Fax: +49 821 599 783 71
E-Mail: info@hplc-shop.de