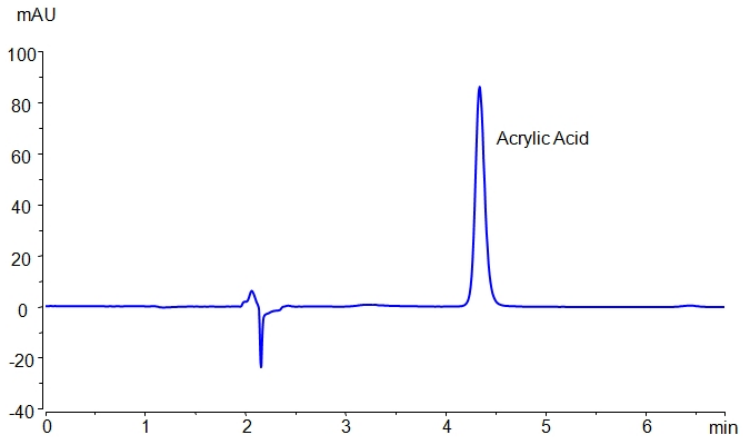
HPLC Determination of Acrylic Acid on Primesep B Column



Column:	Primesep B
Column size:	4.6 × 150 mm, 5 µm
Mobile phase:	MeCN/H2O – 10/90%
Buffer:	H3PO4 - 0.1%
Flow rate:	1.0 mL/min
UV detection:	200 nm
Injection volume:	50 µL
Sample:	Acrylic Acid 0.002 mg/ ml in H2O

High Performance Liquid Chromatography (HPLC) Method for Analysis of Acrylic acid

Acrylic acid, or propenoic acid, is used in a production of various copolymers for manufacturing of diverse range products. It consists of a vinyl group and a carboxylic acid. Acrylic acid can be retained on a reverse-phase (RP) mixed-mode Primesep B column in under 5 minutes. Primesep B is a reverse-phase column with embedded basic ion-pairing groups.

Method Parameters

Column	Primesep B
Mobile Phase	MeCN/H2O – 10/90%
Buffer	H3PO4 – 0.1%
Flow Rate	1.0 mL/min
Detection	UV, 200 nm

Quelle: https://sielc.com/hplc-determination-of-acrylic-acid