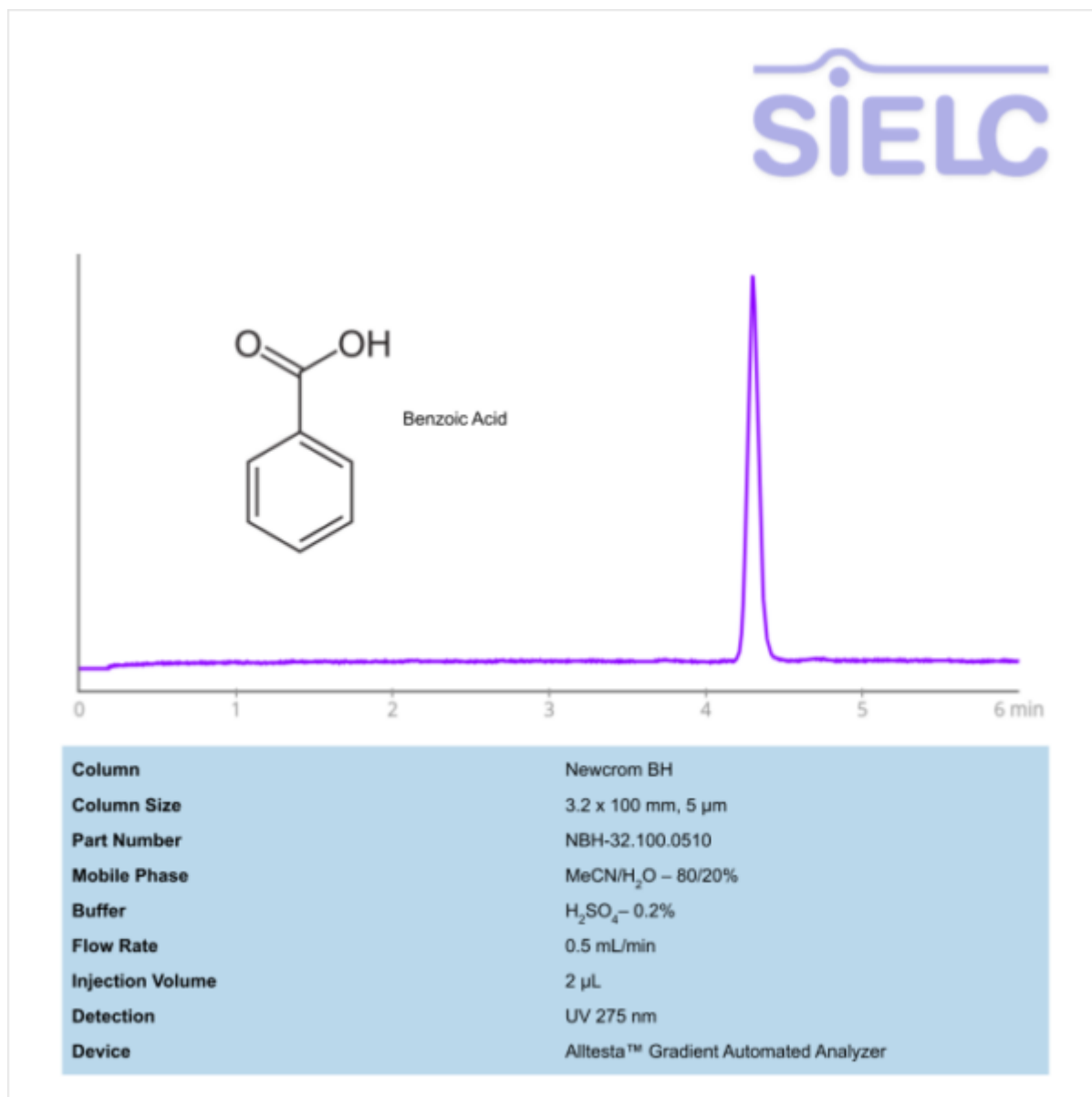


HPLC Method for Analysis of Benzoic Acid on Newcrom BH Column on Alltesta™

<https://sielc.com/hplc-method-for-analysis-of-benzoic-acid>

Chromatogram



Description

· High Performance Liquid Chromatography (HPLC) Method for Analysis of Benzoic Acid

Benzoic Acid is an organic acid with antimicrobial properties. It is typically used in cosmetics, food, and pharmaceuticals as a preservative against yeast and mold. As treatment, it is also used as a topical medicine of fungal skin infections. It can be naturally found in many berries and vegetable resins. With its chemical formula being C₇H₆O₂, it is considered the simplest aromatic carboxylic acid. You can find detailed UV spectra of Benzoic Acid and information about its various lambda maxima by visiting the following link.

Benzoic Acid can be retained and analyzed using the Newcrom BH stationary phase column. The analysis utilizes an isocratic method with a simple mobile phase consisting of water and acetonitrile (MeCN) with sulfuric acid as a buffer. Detection is performed using UV.

Method Parameters

Mobile Phase	MeCN – 80%
Buffer	Sulfuric Acid
Flow Rate	0.5 mL/min
Detection	UV 275 nm
Class of Compounds	Acid
Analyzing Compounds	Benzoic Acid

HPLC Column Used

Newcrom BH, 3.2 x 100 mm, 5 µm, 100 A, dual ended

[Order this column at hplc-shop.de →](#)