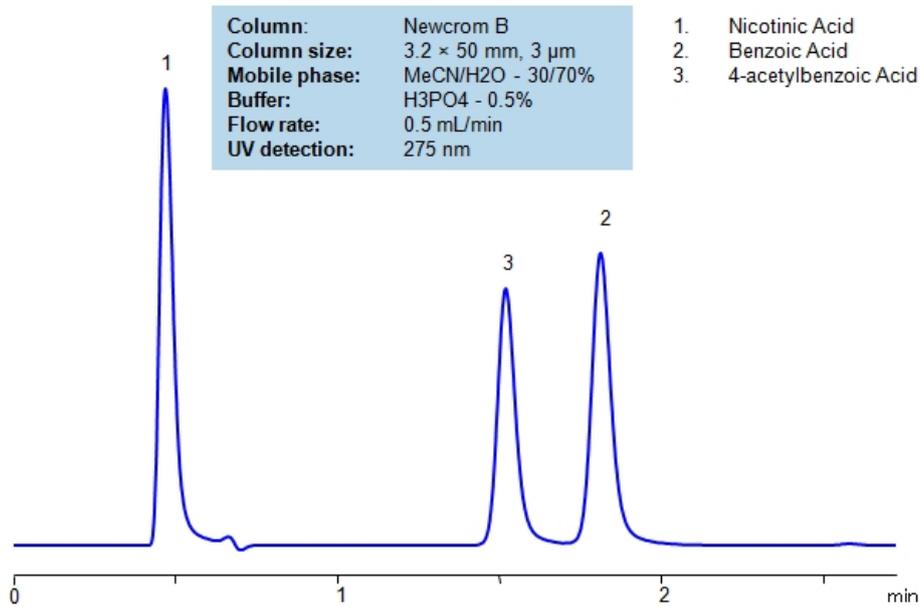


HPLC Separation of Carboxylic Acids



HPLC separation of carboxylic acids (nicotinic acid, benzoic acid and acetylbenzoic acid) on Primesep B2 column using an isocratic method by reverse-phase and anion-exchange mechanisms. The elution of carboxylic acids using the same isocratic method and mobile phase can be reversed by using a reverse-phase cation-exchange mechanisms of the Primesep 100 column. The mobile phase is water, acetonitrile (MeCN, ACN) and formic acid with a UV detector.

Method Parameters

Column	Primesep B2, 4.6x150 mm, 5 µm, 100 Å
Mobile Phase	MeCN/H ₂ O
Buffer	Formic Acid
Flow Rate	1.0 mL/min
Detection	UV, 250 nm

Quelle: <https://sielc.com/Application-HPLC-Separation-of-Carboxylic-Acids>