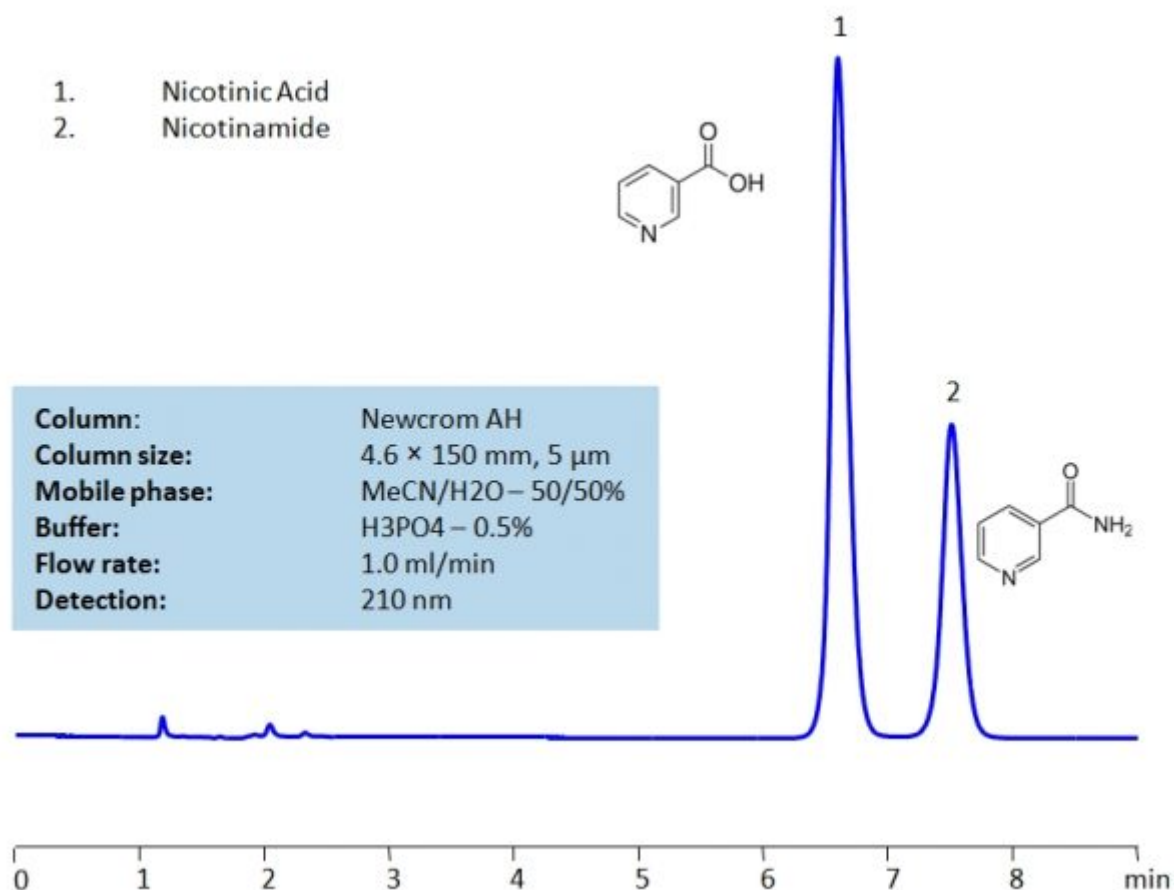


Analysis of Nicotinic Acid and Nicotinamide (Vitamin B3) on Newcrom AH Column

<https://sielc.com/Application%20Analysis%20of%20Nicotinic%20Acid%20in%20Nicotinamide>

Chromatogram



Description

Nicotinamide is the amide form of nicotinic acid. Nicotinic acid is in the vitamin B group and is converted to nicotinamide in vivo. Newcrom AH was used to separate nicotinamide and nicotinic acid. Newcrom AH separates acids using ion-exclusion, retains basic compounds by cation-exchange, and neutral compounds by reverse-phase mechanism.

Method Parameters

Mobile Phase	MeCN/H ₂ O – 50/50%
Buffer	H ₃ PO ₄ – 0.5%
Flow Rate	1.0 ml/min
Detection	UV, 210 nm
Class of Compounds	Acid, Hydrophilic, Ionizable, Vitamin, Supplements
Analyzing Compounds	Nicotinic Acid, Nicotinamide, Vitamin B3

HPLC Column Used

Newcrom AH, 4.6×150 mm, 5 µm, 100A

[Order this column at hplc-shop.de →](https://www.hplc-shop.de)