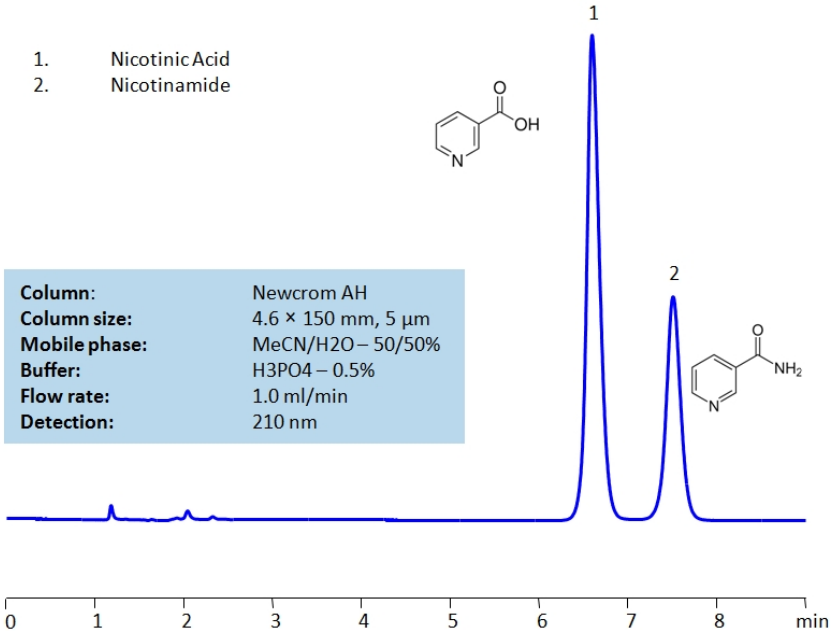
Analysis of Nicotinic Acid and Nicotinamide (Vitamin B3) on Newcrom AH Column



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.

The Newcrom columns are a family of reverse-phase-based columns. Newcrom A , AH , B , and BH are all mixed-mode columns with either positive or negative ion-pairing groups attached to either short (25 Å) or long (100 Å) ligand chains. Newcrom R1 is a special reverse-phase column with low silanol activity.

Method Parameters

Column	Newcrom AH, 4.6×150 mm, 5 µm, 100 Å
Mobile Phase	MeCN/H2O – 50/50%
Buffer	H3PO4 – 0.5%
Flow Rate	1.0 mL/min
Detection	UV, 210 nm

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

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