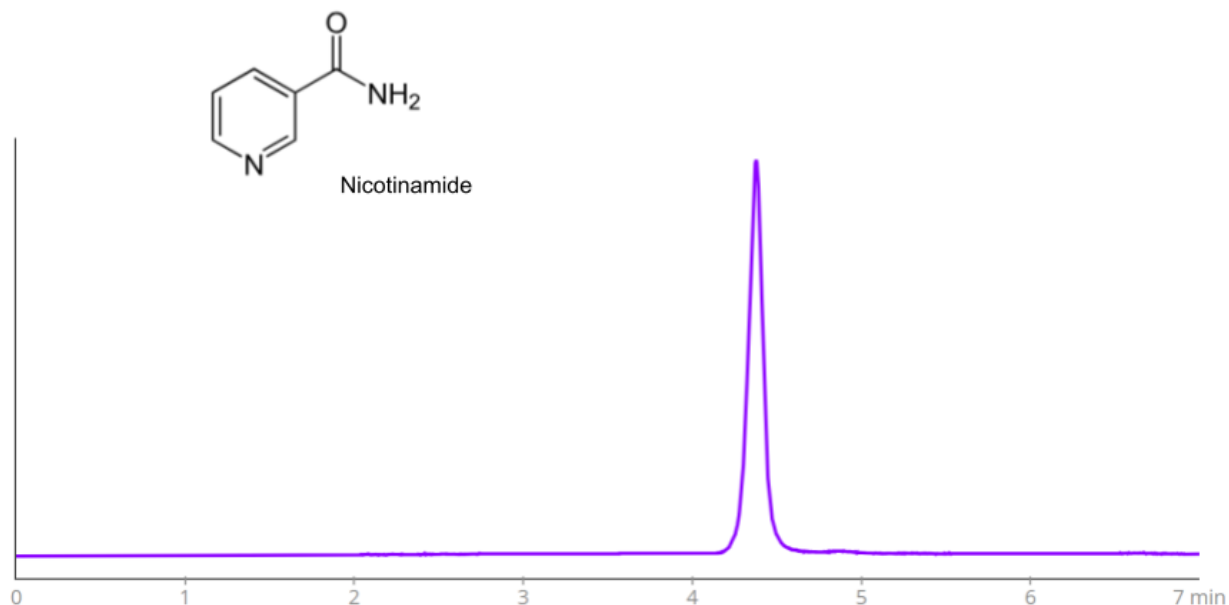


## Chromatogram



<b>Column</b>	Primesep 100
<b>Column Size</b>	4.6 x 150 mm, 5 µm
<b>Part Number</b>	100-46.150.0510
<b>Mobile Phase</b>	MeCN/H <sub>2</sub> O - 50/50%
<b>Buffer</b>	H <sub>2</sub> SO <sub>4</sub> - 0.2%
<b>Flow Rate</b>	1.0 ml/min
<b>Injection Volume</b>	1 µL
<b>Detection</b>	UV 275 nm
<b>Device</b>	Alltesta™ Gradient Automated Analyzer

## Description

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

Nicotinamide, also known as niacinamide, is a form of vitamin B3 with the chemical formula C<sub>6</sub>H<sub>6</sub>N<sub>2</sub>O<sub>2</sub>. It is preferred treatment for pellagra and is a common treatment for acne due to its anti-inflammatory properties. If consumed daily, it is shown to decrease the risk of skin cancers other than melanoma.

Nicotinamide can be retained and analyzed using the Primesep 100 stationary phase column. The analysis utilizes an isocratic method with a simple mobile phase consisting of water and acetonitrile (MeCN) with phosphoric acid as a buffer. Detection is

performed using UV.

#### Method Parameters

<b>Mobile Phase</b>	MeCN – 50%
<b>Buffer</b>	Sulfuric Acid
<b>Flow Rate</b>	1.0 mL/min
<b>Detection</b>	UV 275 nm
<b>Class of Compounds</b>	Vitamin
<b>Analyzing Compounds</b>	Nicotinamide

#### HPLC Column Used

**Primesep 100, 4.6 x 150 mm, 5 µm, 100 A, dual ended**

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