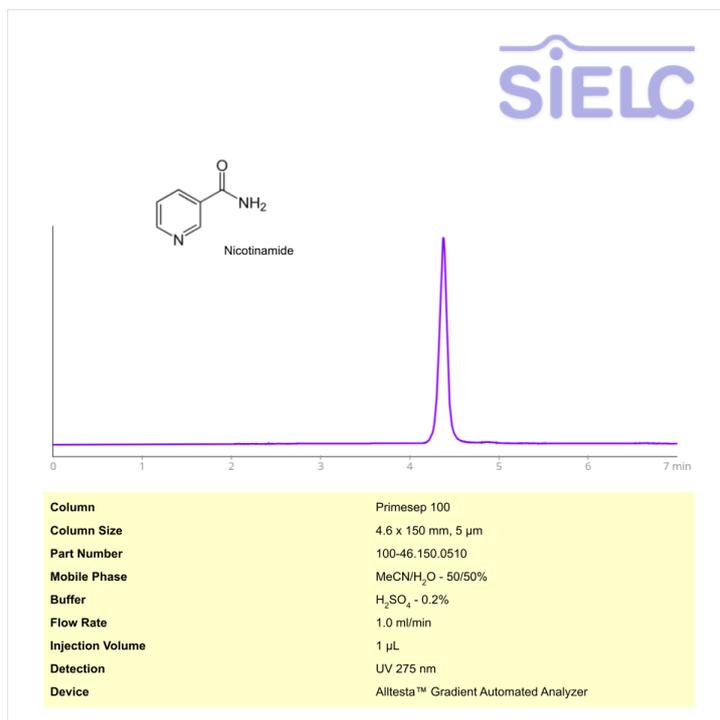


HPLC Method for Analysis of Nicotinamide on Primesep 100 Column on Alltesta™



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 C₆H₆N₂O₂. 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

Column	Primesep 100, 4.6 x 150 mm, 5 µm, 100 Å, dual ended
Mobile Phase	MeCN – 50%
Buffer	Sulfuric Acid
Flow Rate	1.0 mL/min
Detection	UV 275 nm

Quelle: <https://sielc.com/hplc-method-for-analysis-of-nicotinamide>