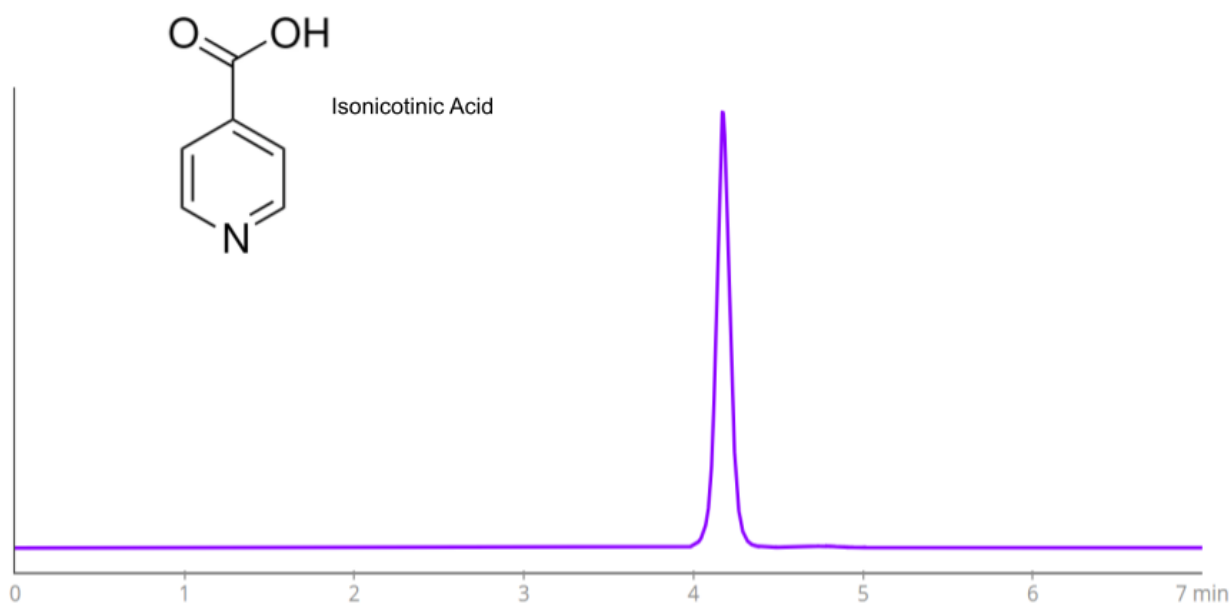


HPLC Method for Analysis of Isonicotinic Acid on Primesep 100 Column on Alltesta™

<https://sielc.com/hplc-method-for-analysis-of-isonicotinic-acid>

Chromatogram



Column	Primesep 100
Column Size	4.6 x 150 mm, 5 µm
Part Number	100-46.150.0510
Mobile Phase	MeCN/H ₂ O - 30/70%
Buffer	H ₂ SO ₄ - 0.1%
Flow Rate	1.0 ml/min
Injection Volume	3 µL
Detection	UV 275 nm
Device	Alltesta™ Gradient Automated Analyzer

Description

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

Isonicotinic Acid is a nucleoside with the C₆H₅NO₂ molecular formula. It is a derivative of pyridine, making it a pyridinemonocarboxylic acid. It acts primarily as a metabolite in humans and algae.

Isonicotinic Acid 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

Mobile Phase	MeCN – 30%
Buffer	H ₂ SO ₄ – 0.1%
Flow Rate	1.0 ml/min
Detection	UV 275 nm
Class of Compounds	Acid
Analyzing Compounds	Isonicotinic Acid

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) →