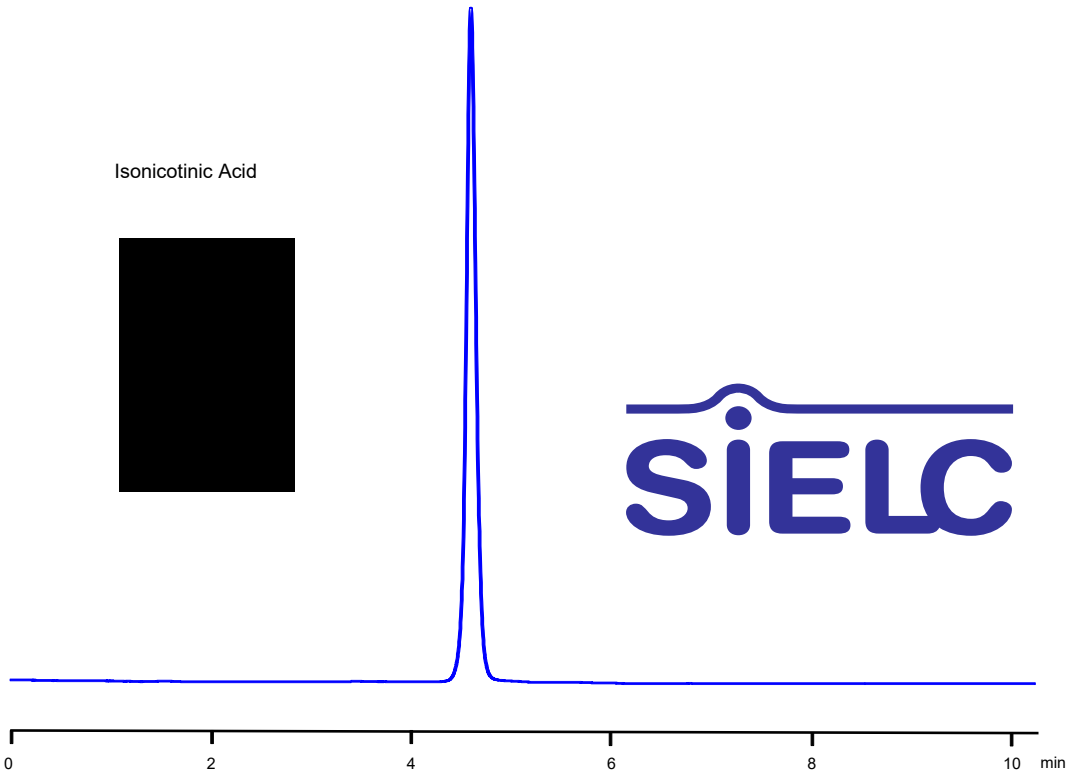
# HPLC Method for Analysis of Isonicotinic Acid on Primesep 100 Column

https://sielc.com/hplc-method-isonicotinic-acid

## Chromatogram




| | |
|---|---|
| Column: | Primesep 100 |
| Column size: | 4.6 x 150 mm, 5 µm |
| Column part number: | 100-46.150.0[illegible]0 |
| Mobile phase: | MeCN/H[illegible]10/90% |
| Buffer: | H2SO4 - 0.05% |
| Flow rate | 1.0 mL /min |
| Detection: | UV 200 nm |
| Concentration: | 1.0 mg/ml |
| Injection Volume: | 1 µL |
| Diluent: | MeCN/H2O - 50/50% |
| Limit of Detection: | 2 ppb |

## Description

· Separation type: Liquid Chromatography Mixed-mode SIELC Technologies · HPLC Method for Analysis of Isonicotinic Acid on Primesep 100 Column

Isonicotinic Acid can be retained, separated and analyzed using a Primesep 100 mixed-mode stationary phase column. The analysis employs an isocratic method with a simple mobile phase comprising water, acetonitrile (MeCN), and sulfuric acid as a buffer. This method allows for detection using UV 200 nm.

You can find detailed UV spectra of Isonicotinic Acid and information about its various lambda maxima by visiting the following link .

### Method Parameters

| | |
|---|---|
| **Mobile Phase** | MeCN – 10% |
| **Buffer** | H2SO4 -0.05% |
| **Flow Rate** | 1.0 ml/min |
| **Detection** | UV 200 nm |
| **Samples** | 1.0 mg/ml in MeCN/H2O – 50/50% |
| **Injection volume** | 1 µl |
| **LOD*** | 2 ppb (200 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 →