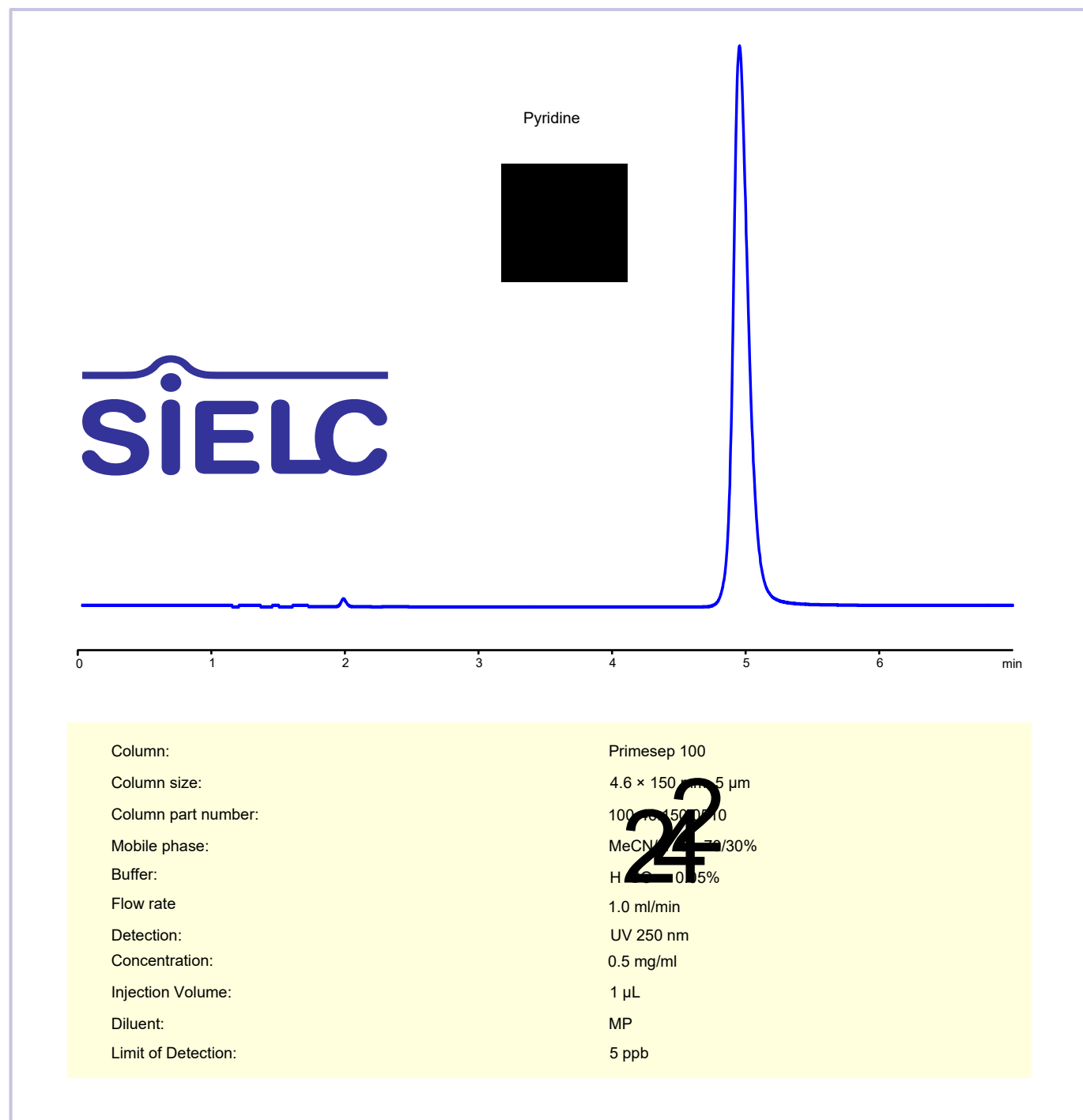


HPLC Method for Analysis of Pyridine on Primesep 100 Column

<https://sielc.com/hplc-method-pyridine>

Chromatogram



Description

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

Pyridine is an aromatic heterocyclic organic compound with the chemical formula C_5H_5N . It is structurally related to benzene, with one methine group (=CH-) replaced by a nitrogen atom.

Pyridine can be retained, separated and analyzed using a Primesep 100 mixed-mode stationary phase column. The analysis employs a gradient method with a simple mobile phase comprising water, acetonitrile (MeCN), and sulfuric acid as a buffer. This method allows for detection using UV 250 nm.

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

Method Parameters

Mobile Phase	MeCN – 70%
Buffer	H2SO4 – 0.05%
Flow Rate	1.0 ml/min
Detection	UV 250 nm
Limit of Detection	5 ppb
Class of Compounds	Heterocyclic aromatic
Analyzing Compounds	Pyridine

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)