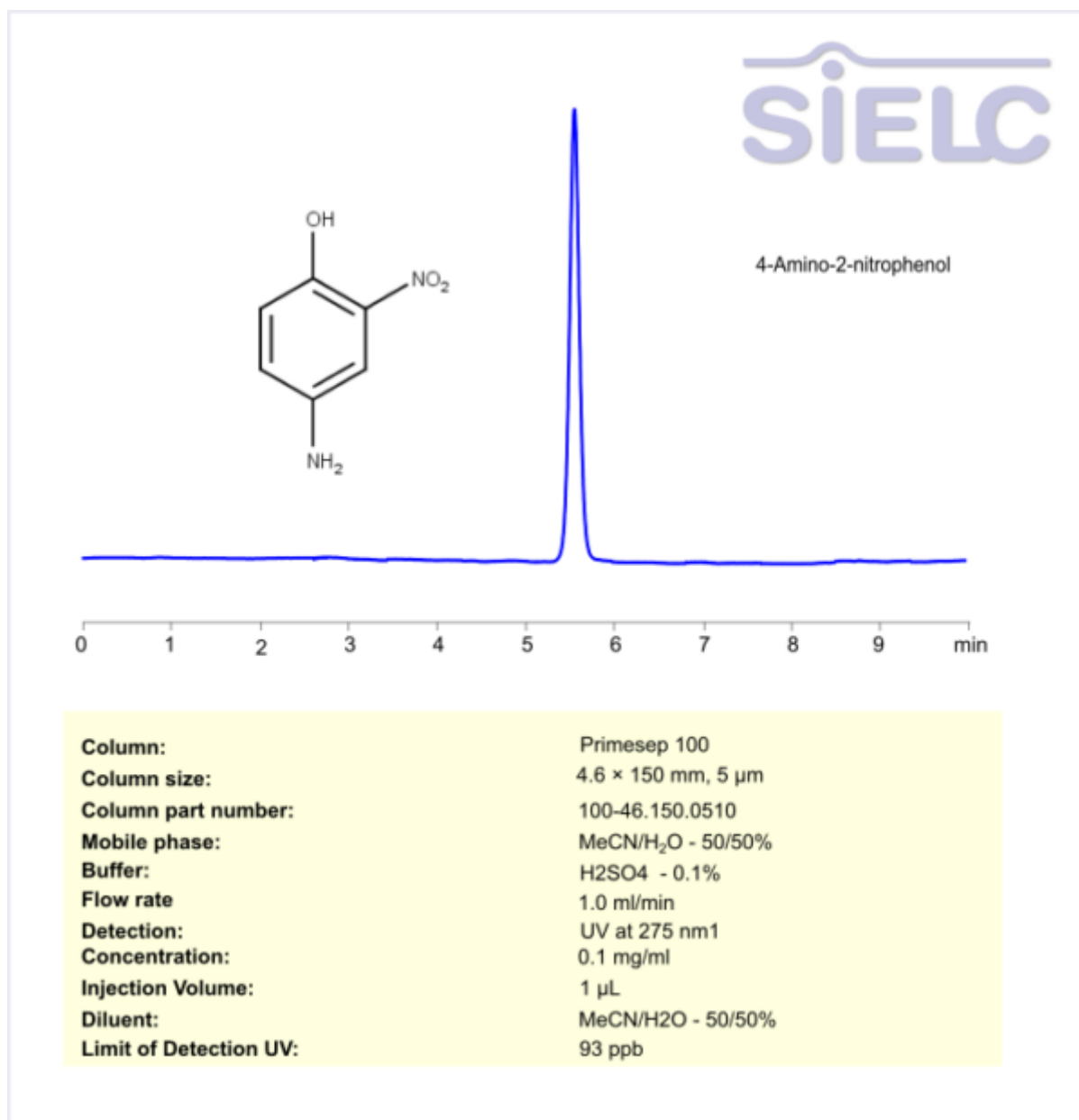


HPLC Method for Analysis of 4-Amino-2-nitrophenol on Primesep 100 Column

<https://sielc.com/hplc-ms-method-for-analysis-4-amino-2-nitrophenol>

Chromatogram



Description

· High Performance Liquid Chromatography (HPLC) Method for Analysis of 4-Amino-2-nitrophenol · 4-Amino-2-nitrophenol is an organic compound with the molecular formula $C_6H_5N_2O_3$. · Properties: Appearance: Typically a yellow to orange crystalline solid · Molecular weight: ~154.12 g/mol · Solubility: Soluble in water and polar organic solvents · Uses: Intermediate in the manufacture of dyes, pigments, and pharmaceuticals

4-Amino-2-nitrophenol 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, acetonitrile (MeCN), and sulfuric acid. Detection is performed using UV at 275 nm.

Method Parameters

Mobile Phase	MeCN – 50%
Buffer	H2SO4 – 0.1%
Flow Rate	1.0 ml/min
Detection	UV 275 nm
LOD	93 ppb
Class of Compounds	Aromatic amine
Analyzing Compounds	4-Amino-2-nitrophenol

HPLC Column Used

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

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