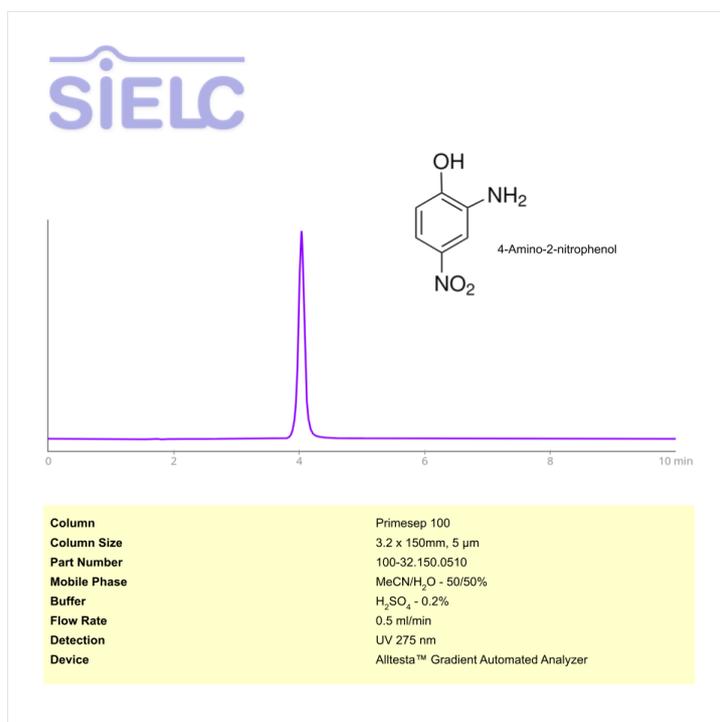


## HPLC Method for Analysis of 4-Amino-2-nitrophenol on Primesep 100 Column with Alltesta™



### High Performance Liquid Chromatography (HPLC) Method for Analysis of 4-Amino-2-nitrophenol

4-Amino-2-nitrophenol is a hydrocarbon with the molecular formula C<sub>6</sub>H<sub>6</sub>N<sub>2</sub>O<sub>3</sub>. It is a red-purple powder that is typically used in as an oxidation base in hair dye. California considers this compound a carcinogen.

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 and acetonitrile (MeCN) with a sulfuric acid buffer. Detection is performed using UV.

### Method Parameters

<b>Column</b>	Primesep 100, 3.2 x 150 mm, 5 µm, 100 Å, dual ended
<b>Mobile Phase</b>	MeCN – 50%
<b>Buffer</b>	Sulfuric Acid
<b>Flow Rate</b>	1.0 mL/min
<b>Detection</b>	UV 275 nm

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