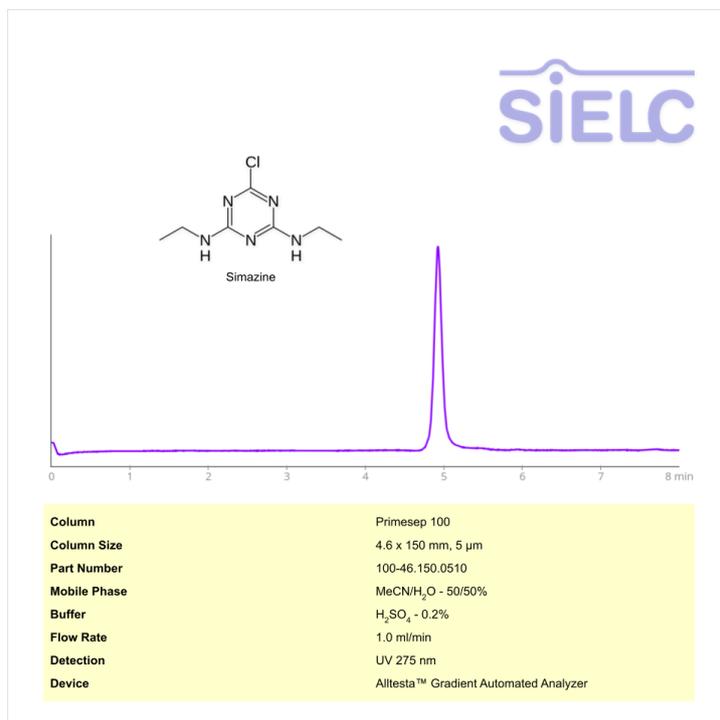


## HPLC Method for Analysis of Simazine on Primesep 100 Column on Alltesta™



### High Performance Liquid Chromatography (HPLC) Method for Analysis of Simazine

Simazine is an herbicide with the molecular formula C<sub>7</sub>H<sub>12</sub>ClN<sub>5</sub>. Typically, it is used to control various annual weeds in established crops. It is a pre-emergence herbicide, meaning that it has to be applied prior to the weeds emerging, as it is ineffective against grown plants

Simazine 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, 4.6 x 150 mm, 5 µm, 100 Å, dual ended
<b>Mobile Phase</b>	MeCN – 50%
<b>Buffer</b>	H <sub>2</sub> SO <sub>4</sub> – 0.2%
<b>Flow Rate</b>	1.0 mL/min
<b>Detection</b>	UV 275 nm

Quelle: <https://sielc.com/hplc-method-for-analysis-of-simazine-alltesta>