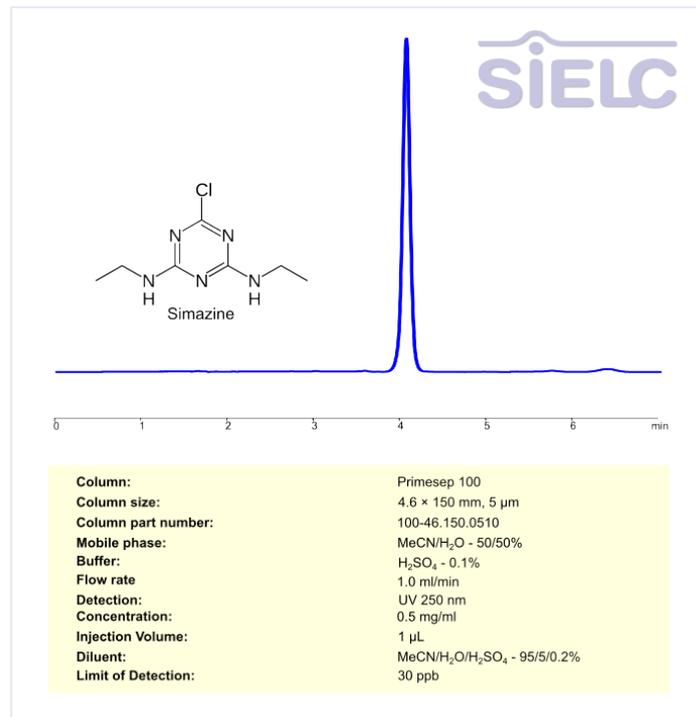


HPLC Method for Analysis of Simazine on Primesep 100 Column



Separation type: Liquid Chromatography Mixed-mode SIELC Technologies

Simazine is a herbicide that belongs to the class of triazine herbicides . It is commonly used for controlling broadleaf weeds and grasses in agricultural and non-agricultural settings.

Simazine 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 Simazine and information about its various lambda maxima by visiting the following link .

Method Parameters

Column	Primesep 100, 4.6 x 50 mm, 5 µm, 100 Å, dual ended
Mobile Phase	MeCN – 50%
Buffer	H2SO4 – 0.1%
Flow Rate	1.0 mL/min
Detection	UV 250 nm
Limit of Detection	30 ppb

Quelle: <https://sielc.com/hplc-method-simazine>