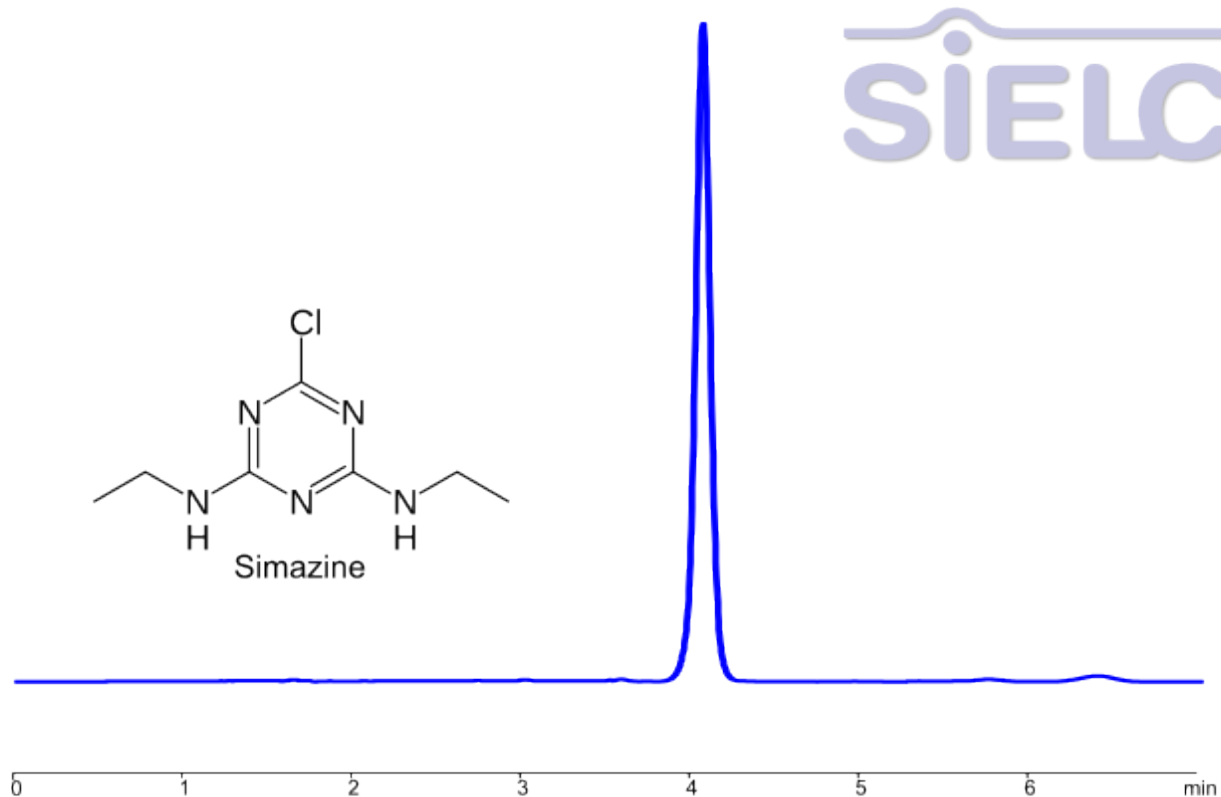


HPLC Method for Analysis of Simazine on Primesep 100 Column

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

Chromatogram



Column:	Primesep 100
Column size:	4.6 × 150 mm, 5 µm
Column part number:	100-46.150.0510
Mobile phase:	MeCN/H ₂ O - 50/50%
Buffer:	H ₂ SO ₄ - 0.1%
Flow rate	1.0 ml/min
Detection:	UV 250 nm
Concentration:	0.5 mg/ml
Injection Volume:	1 µL
Diluent:	MeCN/H ₂ O/H ₂ SO ₄ - 95/5/0.2%
Limit of Detection:	30 ppb

Description

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

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

Mobile Phase	MeCN – 50%
Buffer	H2SO4 – 0.1%
Flow Rate	1.0 ml/min
Detection	UV 250 nm
Limit of Detection	30 ppb
Class of Compounds	Herbicide
Analyzing Compounds	Simazine

HPLC Column Used

Primesep 100, 4.6 x 50 mm, 5 µm, 100 Å, dual ended

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