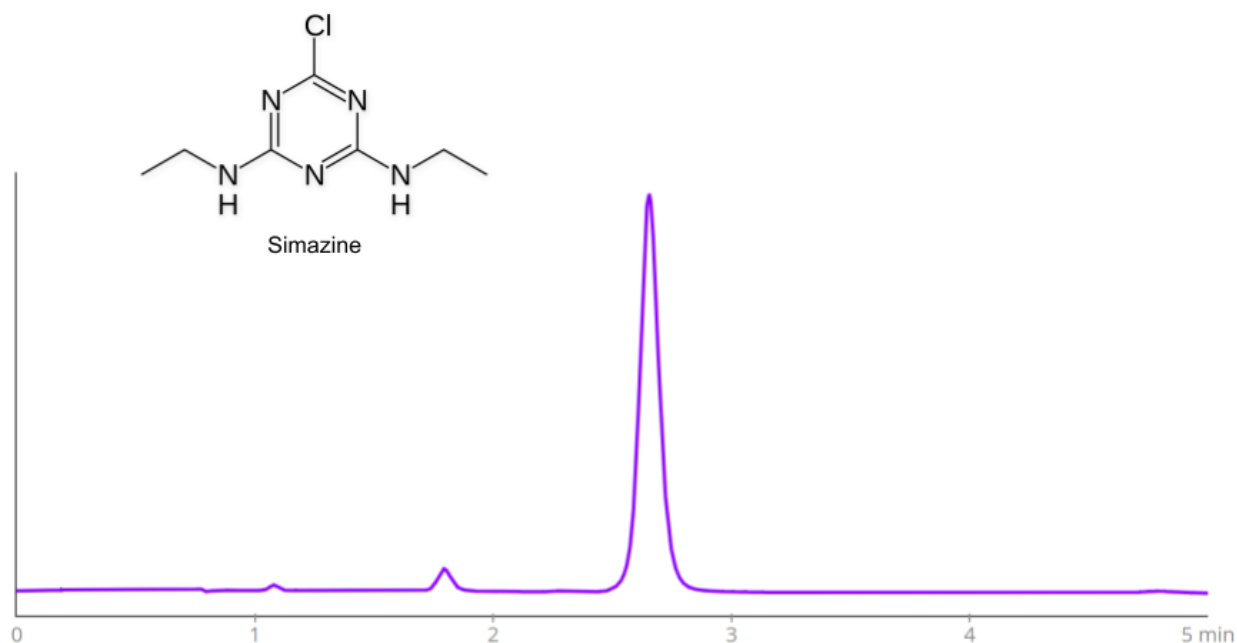


HPLC Method for Analysis of Simazine on Primesep 100 Column on Cromite™

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

Chromatogram

siELC



Column	Primesep 100
Column Size	3.2 x 115 mm, 5 µm
Part Number	100-32.115.0510
Mobile Phase	MeCN/H ₂ O - 50/50%
Buffer	H ₂ SO ₄ - 0.1%
Flow Rate	0.5 ml/min
Detection	UV 275 nm
Device	Cromite™ HPLC System

Description

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

Simazine is an herbicide with the molecular formula C₇H₁₂ClN₅. 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

Mobile Phase	MeCN – 50%
Buffer	Sulfuric Acid
Flow Rate	0.5 ml/min
Detection	UV 275 nm
Class of Compounds	Herbicide
Analyzing Compounds	Simazine

HPLC Column Used

Primesep 100, 3.2 x 100 mm, 5 µm, 100 A, dual ended

[Order this column at **hplc-shop.de** →](#)