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

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

Column	Primesep 100, 3.2 x 100 mm, 5 µm, 100 Å, dual ended
Mobile Phase	MeCN – 50%
Buffer	Sulfuric Acid
Flow Rate	0.5 mL/min
Detection	UV 275 nm

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