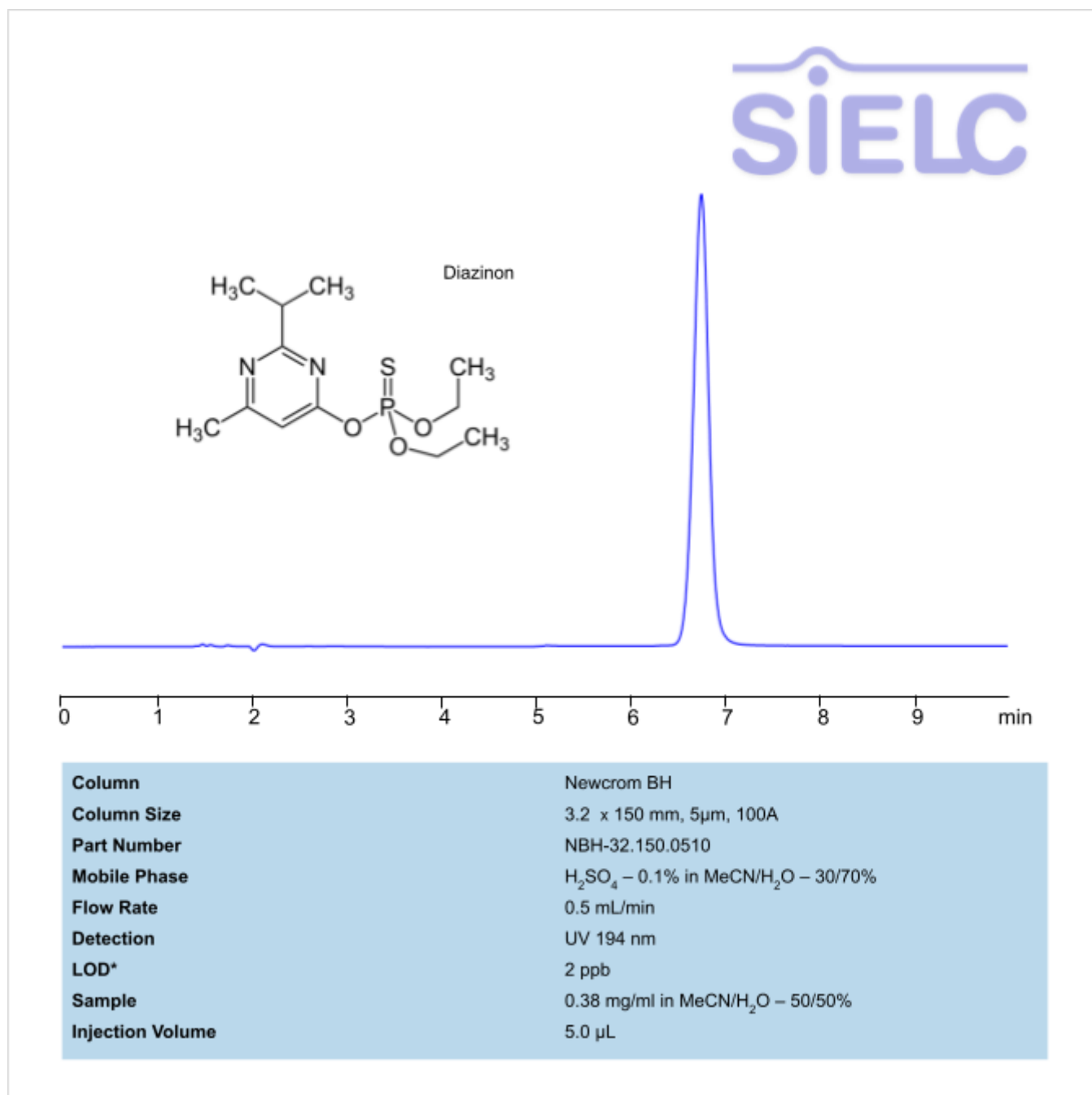


HPLC Method for Analysis of Diazinon on Newcrom BH Column

<https://sielc.com/hplc-uv-separation-of-diazinon-on-newcrombh>

Chromatogram



Description

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

Diazinon is an insecticide with the chemical formula C₁₂H₂₁N₂O₃PS. Due to its high toxicity to vertebrates which leads to headaches, vomiting, apnea, and more, it has been banned in the United States since 2004. You can find detailed UV spectra of Diazinon and information about its various lambda maxima by visiting the following link.

Diazinon can be retained and analyzed using the Newcrom BH 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/H ₂ O – 30/70%
Buffer	H ₂ SO ₄ – 0.1%
Flow Rate	0.5 ml/m
Detection	UV 194 nm
Class of Compounds	Insecticide
Analyzing Compounds	Diazinon

HPLC Column Used

Newcrom BH, 3.2 x 150 mm, 5 µm, 100 A, dual ended

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