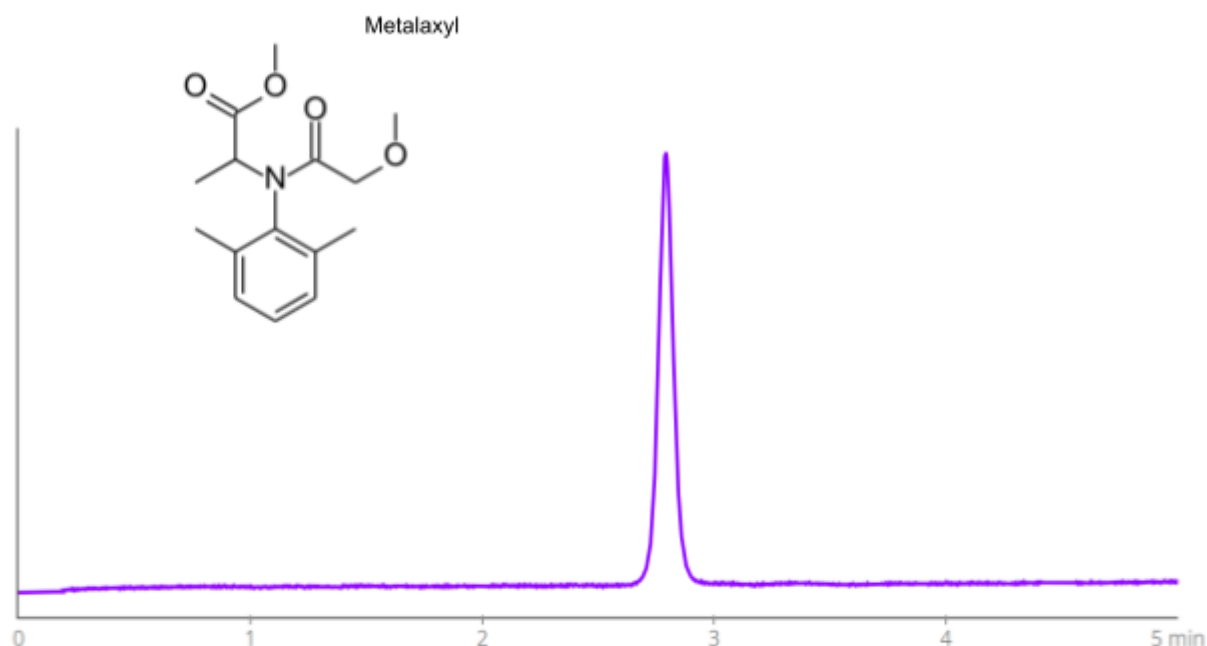


HPLC Method for Analysis of Metalaxyl on Newcrom B Column on Alltesta™

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

Chromatogram

siELC



Column	Newcrom B
Column Size	4.6 x 150 mm, 5 µm
Part Number	NB-46.150.0510
Mobile Phase	MeCN/H ₂ O - 50/50%
Buffer	AmFm pH 3.0- 20 mM
Flow Rate	1.0 mL/min
Injection Volume	1 µL
Detection	UV 275 nm
Device	Alltesta™ Gradient Automated Analyzer

Description

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

Metalaxyl, also known as methyl N-(methoxyacetyl)-N-(2,6-xylyl)-DL-alaninate, is a systemic fungicide with the chemical formula C₁₅H₂₁NO₄. It is used to control Pythium and Phytophthora in vegetables. It has suffered a resistance problem going back to the 1980s.

Metalaxyl can be retained and analyzed using the Newcrom B stationary phase column. The analysis utilizes an isocratic method with a simple mobile phase consisting of water and acetonitrile (MeCN) with ammonium formate as a buffer. Detection is performed using UV.

Method Parameters

Mobile Phase	MeCN – 50%
Buffer	Ammonium Formate
Flow Rate	1.0 mL/min
Detection	UV 275 nm
Class of Compounds	Pesticide
Analyzing Compounds	Metalaxyl

HPLC Column Used

Newcrom B, 4.6 x 150 mm, 5 µm, 100 A, dual ended

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