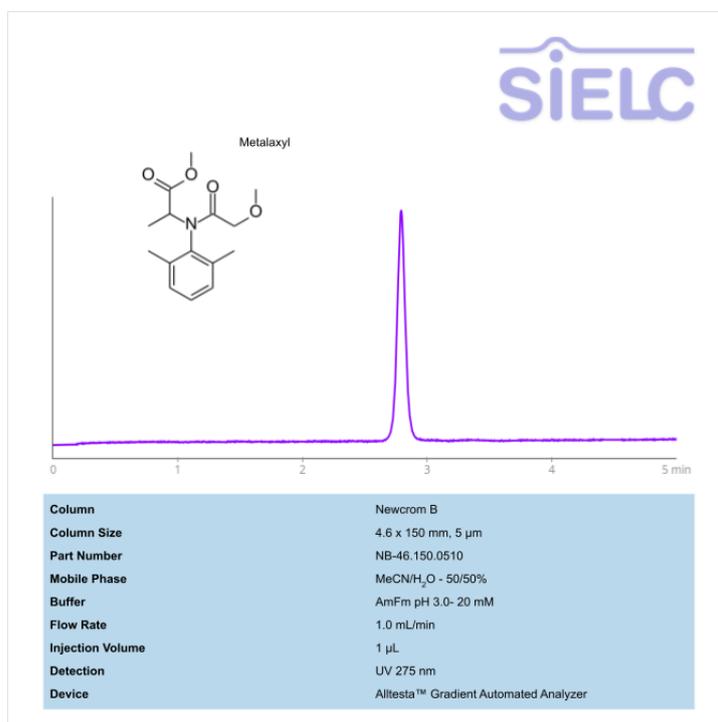


HPLC Method for Analysis of Metalaxyl on Newcrom B Column on Alltesta™



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

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 (UV) 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

Column	Newcrom B, 4.6 x 150 mm, 5 µm, 100 Å, dual ended
Mobile Phase	MeCN – 50%
Buffer	Ammonium Formate
Flow Rate	1.0 mL/min
Detection	UV 275 nm

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