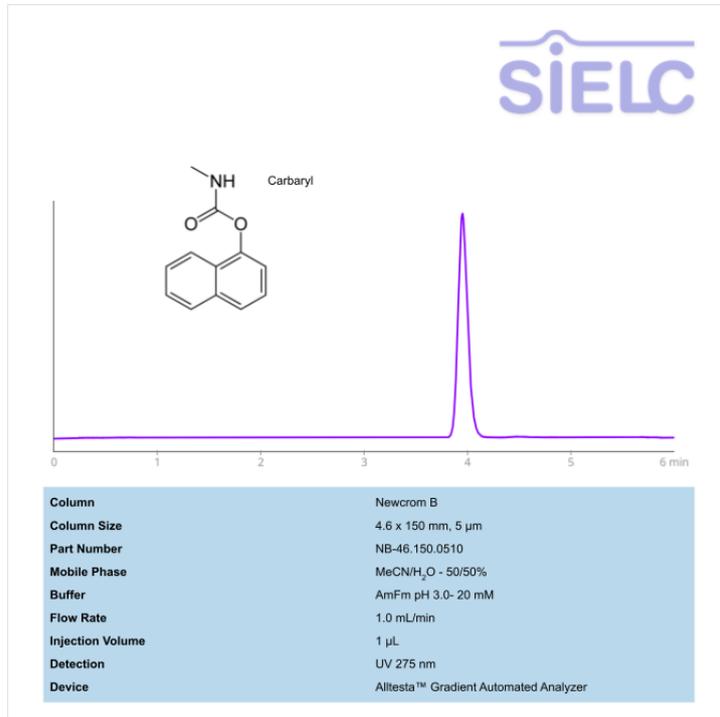


HPLC Method for Analysis of Carbaryl on Newcrom B Column on Alltesta™



High Performance Liquid Chromatography (HPLC) Method for Analysis of Carbaryl

Carbaryl, also known as Sevin and 1-naphthyl methylcarbamate, is an insecticide with the chemical formula C₁₂H₁₁NO₂. It works as a cholinesterase inhibitor. Carbaryl is highly toxic to zooplankton and works on both targeted and beneficial insects. It is classified as a potential human carcinogen.

Carbaryl 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-carbaryl>