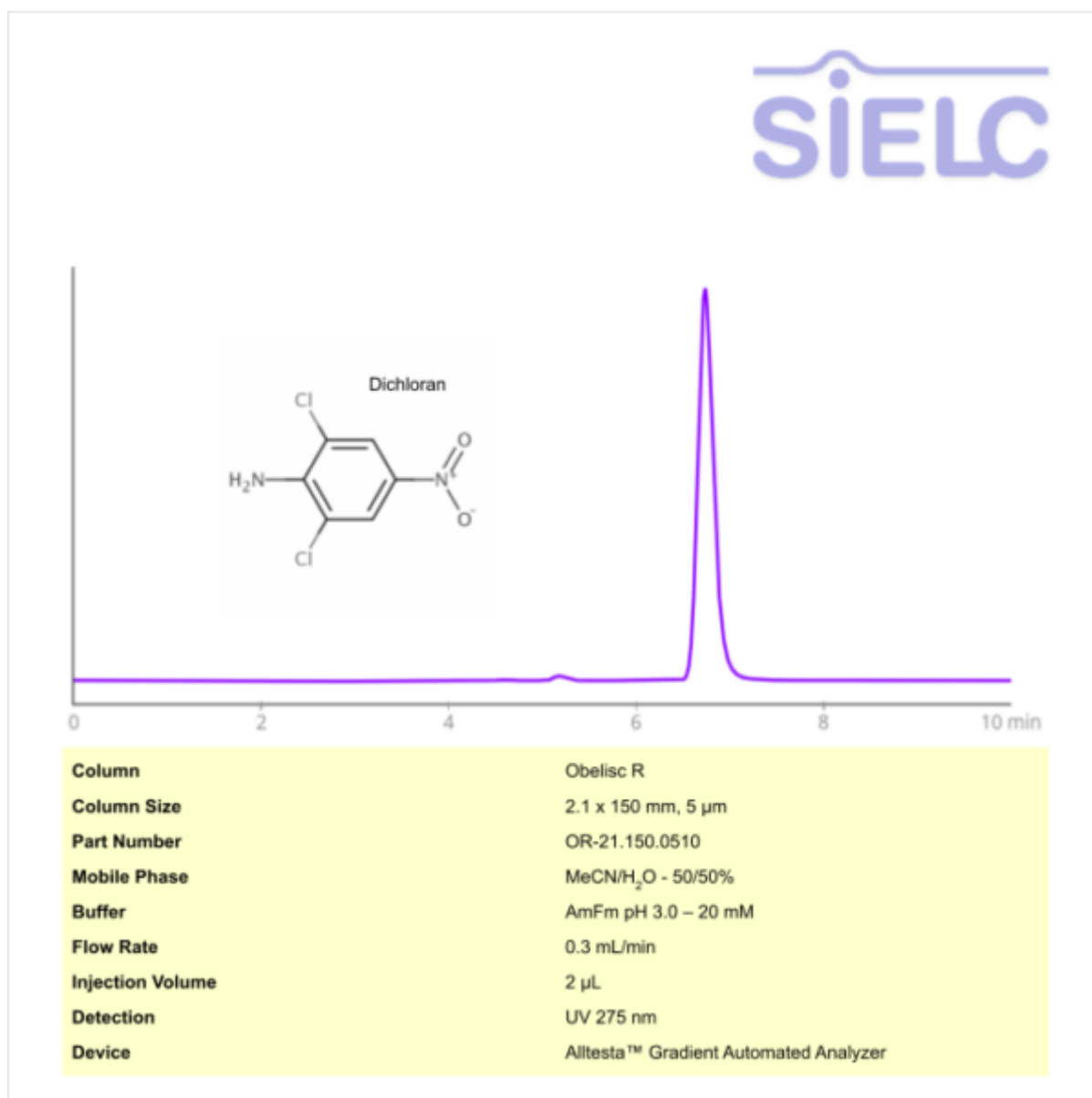


HPLC Method for Analysis of Dichloran on Obelisc R Column on Alltesta™

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

Chromatogram



Description

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

Dichloran, also known as 2,6-dichloro-4-nitroaniline, is a herbicide with the chemical formula $C_6H_4Cl_2NO_2$. It is used primarily as a pre- and post-harvest herbicide on various plants including but not limited to peaches, grapes, lettuce, celery, and more. It works through inhibiting hyphal growth, which delays fungal spore germination. You can find detailed UV spectra of Dichloran and information about its various lambda maxima by visiting the following link.

Dichloran can be retained and analyzed using the Obelisc R 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 -50/50%
Buffer	AmFm pH 3.0 – 20 mM
Flow Rate	0.3 mL/min
Detection	UV 275 nm
Class of Compounds	Herbicide
Analyzing Compounds	Dichloran

HPLC Column Used

Obelisc R, 2.1 x 150 mm, 5 µm, 100 Å, dual ended

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