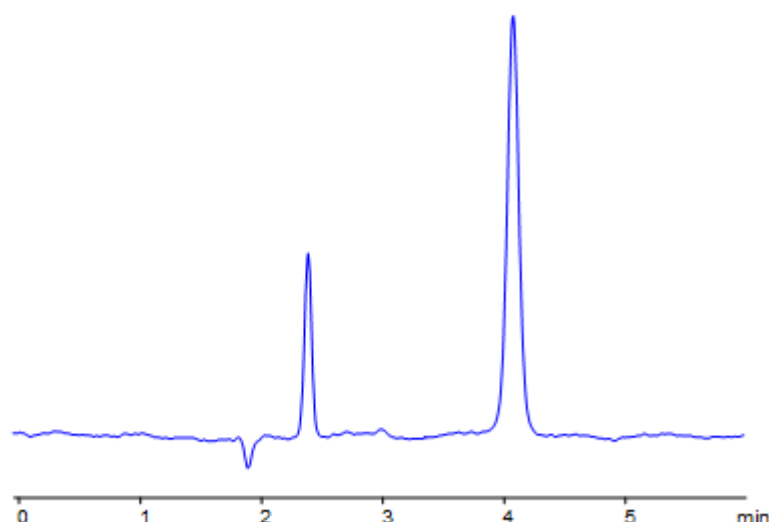


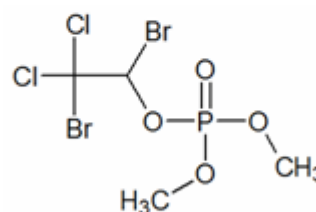
HPLC Analysis of Naled on Obelisc R Column

<https://sielc.com/Application%20HPLC%20Analysis%20of%20Naled>

Chromatogram



Column: Obelisc R
Dimensions: 150 x 4.6mm
Mobile Phase: 40% MeCN
Buffer: 20mM AmFm pH 3.0
Flow: 1.0 ml/min
Detection: UV 250 nm



Description

Naled is an organophosphate insecticide that shows relatively low toxicity. While home use has been discontinued, naled is still used in public mosquito eradication programs. Naled can be reduced to dichlorvos, which the EURL included as a target pesticide for the EUPT-CF9. Obelisc R was used to retain naled and separate it from impurities. Obelisc R contains embedded ionic and hydrophobic groups which can assist in fine tuning separations. Method is LC/MS compatible and can be used as a general approach for analyzing naled and other organophosphate insecticides.

Method Parameters

Mobile Phase	MeCN – 40%
Buffer	AmFm pH 3.0- 20 mM
Flow Rate	1.0 ml/min
Detection	UV, 250 nm
Class of Compounds	Insecticide, Herbicide, Fungicide, Hydrophobic, Ionizable
Analyzing Compounds	Naled

HPLC Column Used

Obelisc R, 4.6×150 mm, 5 µm, 100A

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