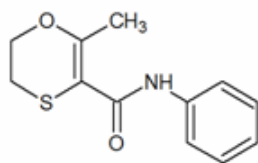


Retaining the Fungicide Carboxin on Primesep and Obelisc HPLC Columns

<https://sielc.com/Application-Retaining-the-Fungicide-Carboxin-on-Primesep-and-Obelisc-HPLC-Columns>

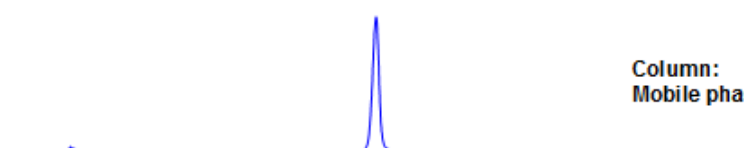
Chromatogram



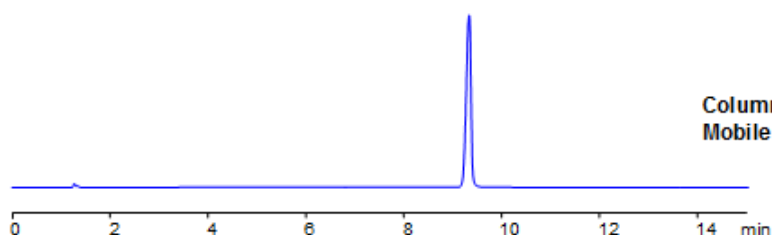
Size: 2.1 x 150 mm
Flow: 0.4 mL/min
Detection: UV 270 nm



Column: Obelisc R
Mobile phase: MeCN gradient 25% to 70% in 15 min,
AmFm pH 3.0 gradient from 30 mM to 60 mM



Column: Obelisc R
Mobile phase: MeCN gradient 10% to 70% in 15 min,
AmFm pH 3.0 gradient from 20 mM to 60 mM



Column: Primesep 100
Mobile phase: MeCN gradient 10% to 70% in 15 min,
AmFm pH 3.0 gradient from 20 mM to 60 mM

Description

Carboxin or carboxine is an oxathin fungicide considered by the EURL (European Union Reference Laboratory) to be a target pesticide. It was placed on a Target Pesticide List for the EUPT-CF9 2015 (European Union Proficiency Test for Cereals and Feeding stuff). A method for separating carboxin was developed for Primesep 100 and Obelisc R columns. Both columns are mixed-mode offering unique retention tuning. Obelisc R contains ion-pairing groups and a long hydrophobic chain, while Primesep 100 contains embedded acidic ion-pairing groups. Method is LC/MS compatible and can be used on many pesticides and herbicides.

Method Parameters

Mobile Phase	Gradient MeCN – 10-70%, 15 min
Buffer	Gradient AmAc pH 3.0- 20-60 mM, 15 min
Flow Rate	0.4 ml/min
Detection	UV, 270 nm
Class of Compounds	Insecticide, Herbicide, Fungicide, Hydrophobic, Ionizable
Analyzing Compounds	Fungicide Carboxin

HPLC Column Used

Primesep 100, 2.1×150 mm, 5 µm, 100A

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