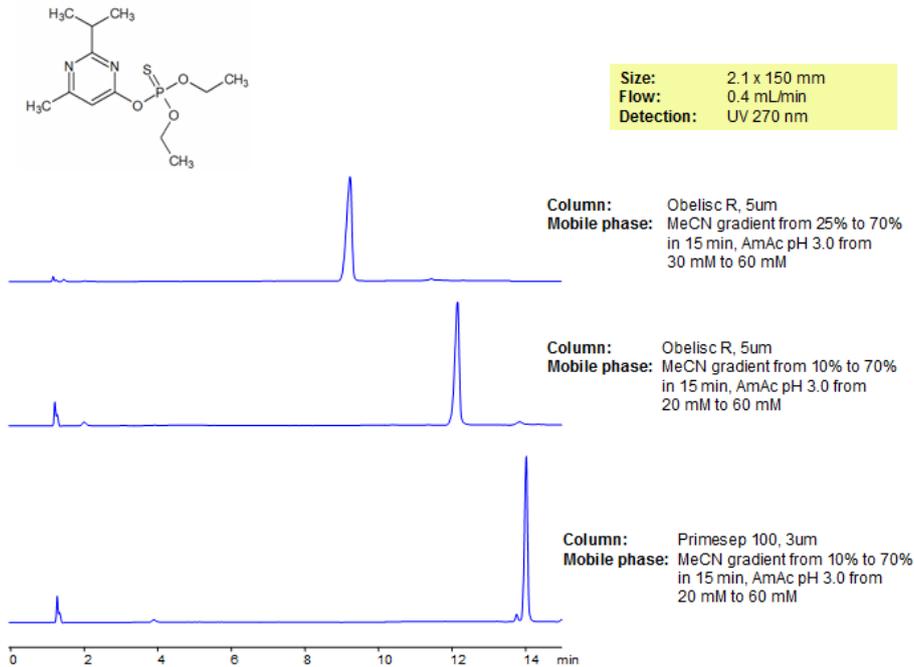


HPLC Diazinon Analysis on Primesep 100 column



Diazinon is a thiophosphoric acid ester which was used to control cockroaches, fleas, and silverfish in residential buildings. Diazinon is considered to be toxic for vertebrates causing a number of observed symptoms such as convulsions, headaches, and vomiting. Diazinon was outlawed for residential use in the U.S. in 2004, but can be used in agricultural industries. There is a lot of interest in analyzing diazinon: it was analyzed in an analysis of acidic compounds by the EURL (European Union Reference Library) using QuEChERS methodology. Primesep 100 and Obelisc R were used to separate diazinon with unique selectivity. Method is LC/MS compatible and can be replicated for dozens of pesticides.

Method Parameters

Column	Primesep 100, 2.1×150 mm, 5 µm, 100 Å
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

Quelle: <https://sielc.com/Application-HPLC-Diazinon-Analysis-on-Primesep-100-and-Obelisc-R-columns>