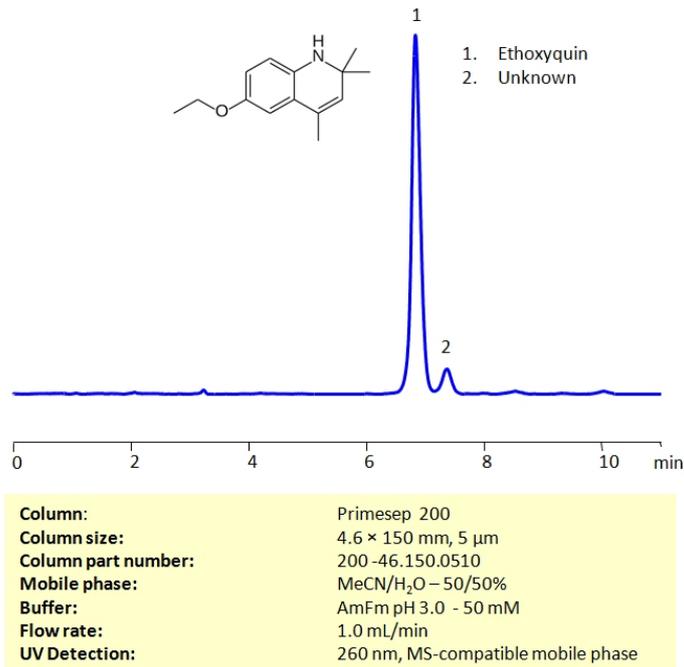


HPLC Method For Analysis Of Ethoxyquin on Primesep 200 Column



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

Ethoxyquin is an antioxidant. It was developed in the 1950s as a preservative to control the breakdown of fats in dry pet food or the formation of peroxide in canned pet foods. Ethoxyquin is also used as an insecticide, herbicide, fungicide, post-harvest dip to prevent scald on apples and pears, plant growth regulator, and anti-degradation agent for rubber.

Ethoxyquin can be retained on the Primesep 200 mixed-mode column using an isocratic analytical method with a simple mobile phase of water, acetonitrile (MeCN, ACN), and Ammonium Formate (AmFm) buffer. Detection can be achieved with mass spectrometry (MS), evaporative light scattering detection (ELSD), charged aerosol detection (CAD) and UV detected at 260 nm.

Method Parameters

Column	Primesep 200, 4.6 x 150 mm, 5 µm, 100 Å, dual ended
Mobile Phase	MeCN/H ₂ O – 50/50%
Buffer	AmFm pH 3.0 – 50 mM
Flow Rate	1.0 mL/min
Detection	UV, 260 nm

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