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Analytical study on ethephon residue determination in water by ion-pairing liquid chromatography/tandem mass spectrometry

Cristina Ripollés, José M. Marín, Juan V. Sancho, Francisco J. López & Félix Hernández

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Abstract

A detailed study of the analytical determination of ethephon residue in water by ion-pairing liquid chromatography/tandem mass spectrometry (LC/MS/MS) is presented. The method involves the use of a highly polar, ion-pairing reagent, which is characterized by its high polarity and low volatility. Both its retention and its stability are studied. The method has been tested and evaluated. The results show that the method is suitable for the determination of ethephon residue in water. The method is simple, rapid, and sensitive. The detection limit is 0.1 µg/L. The method is suitable for the determination of ethephon residue in water. The method is simple, rapid, and sensitive. The detection limit is 0.1 µg/L. The method is suitable for the determination of ethephon residue in water. The method is simple, rapid, and sensitive. The detection limit is 0.1 µg/L.

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