

Analytical method for starlicide in water

Reports: ECM:
MRID 48756013. Eiseman, John D. *Two Analytical Methods for Determining 3-chloro-p-toluidine HCl(DRC-1339)in Water*
ILV: none

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Statements: The methods were not conducted in compliance with FIFRA GLP standards. No data confidentiality claim was made for the submission. The submission was not inspected by Quality Assurance officers.

Classification: This analytical method is classified as unacceptable as no interlaboratory validation for either method was provided.

PC Code: 009901

Reviewer: R. David Jones, Ph.D.
Senior Agronomist

Signature:

Date: February25, 2013

This submission was not fully reviewed as no independent laboratory validation was submitted. Both methods in the submission use HPLC with an Alltech Econosil C-18 column using a 20:80 water : acetonitrile eluent flowing at 1 ml/min. A UV detector was used in both methods set to 241 nm. In fact the two methods are identical except for the sample inject volumes (100 µl for method 1 versus 10 µl for method 2) and the sample matrix. The first method used 'hard blended water' and soft blended water' as matrices as these two solutions used in aquatic toxicity tests which the method was designed to support. The second used pH buffers for matrices as it was used for hydrolysis experiments. Neither method described sample preparation for environmental samples as they were designed to support laboratory experiments. These methods appear scientifically sound but would not be adequate to fulfill the environmental chemistry method for water. Note also that submitted methods from registrants should be conducted in accordance with GLP standards.