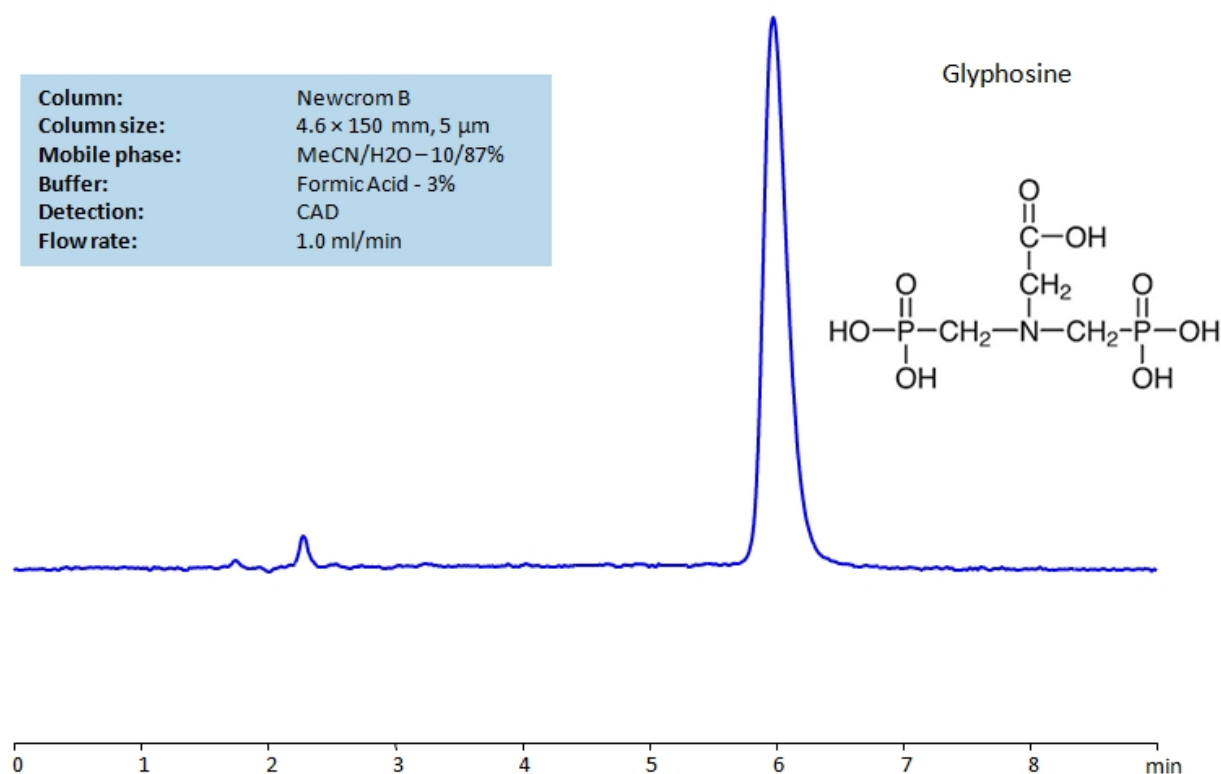


HPLC Determination of Glyphosine (bis-PMG) on Newcrom B Column

<https://sielc.com/hplc-determination-of-glyphosine>

Chromatogram



Description

· High Performance Liquid Chromatography (HPLC) Method for Analysis of Glyphosine

Glyphosine is a synthetic plant growth regulator with the chemical formula of C₄H₁₁NO₈P₂. It is a colorless liquid that works through decreasing chlorophyll production.

Glyphosine can be retained and analyzed using the Newcrom B stationary phase column. The analysis utilizes an isocratic method with a simple mobile phase consisting of water and acetonitrile (MeCN) with a formic acid buffer. Detection is performed using CAD.

Method Parameters

Mobile Phase	MeCN – 10%
Buffer	Formic Acid – 3%
Flow Rate	1.0 ml/min
Detection	CAD
Class of Compounds	Plant growth regulator, Fungicide, Hydrophobic, Ionizable
Analyzing Compounds	Glyphosine

HPLC Column Used

Newcrom B, 4.6 x 150 mm, 5 µm, 100 Å, dual ended

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