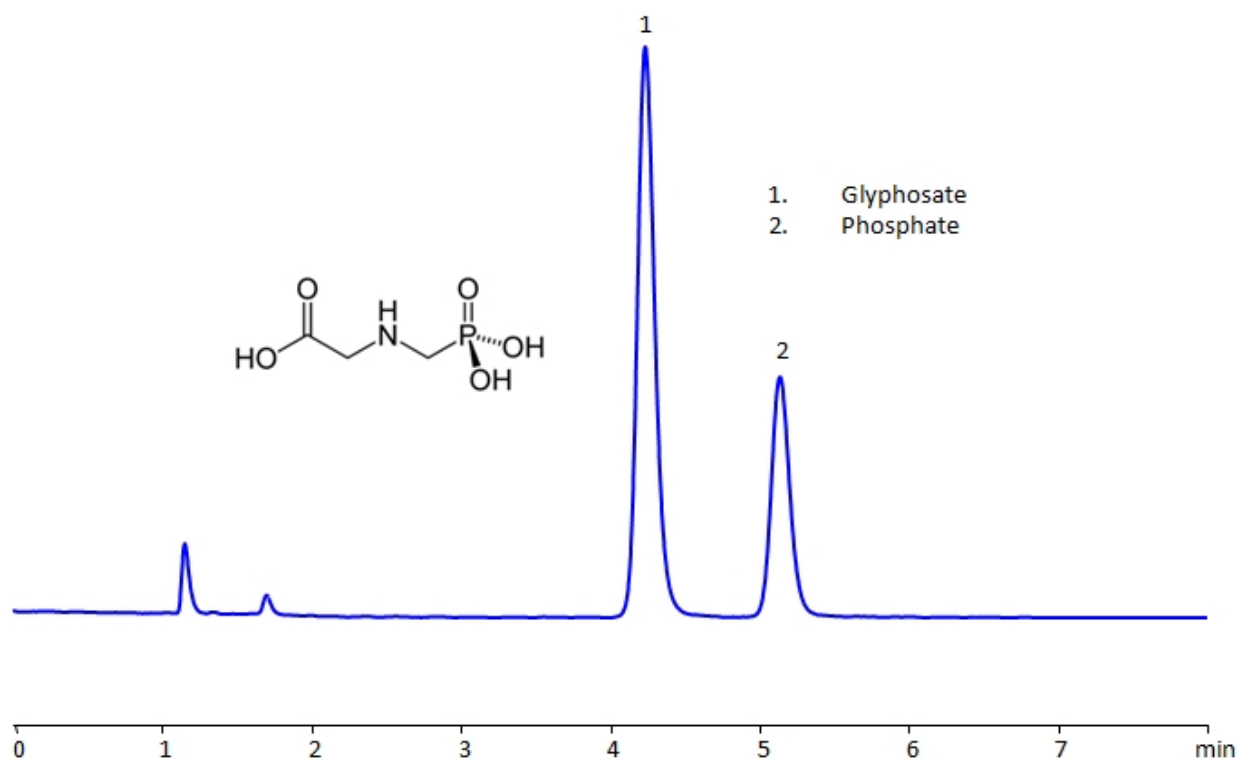


# HPLC Separation of Glyphosate and Phosphate Ion on Newcrom B Column

<https://sielc.com/hplc-separation-of-glyphosate-and-phosphate-ion>

## Chromatogram



<b>Column:</b>	Newcrom B
<b>Column size:</b>	4.6 × 150 mm, 5 µm
<b>Mobile phase:</b>	MeCN/H <sub>2</sub> O - 20/80%
<b>Buffer:</b>	Formic Acid - 0.5%
<b>Detection:</b>	CAD
<b>Flow rate:</b>	1.0 mL/min

*HPLC Separation of Glyphosate and Phosphate Ion on Newcrom B Column\_1202*

## Description

· HPLC Method for Glyphosate , Phosphate on Newcrom B by SIELC Technologies · High Performance Liquid Chromatography (HPLC) Method for Analysis of Glyphosate and Phosphate Ion

Glyphosate is a broad-spectrum herbicide which is used to kill weeds. The presence of glyphosate is strongly regulated by various governing agencies in the US, Europe, and Asia. Glyphosate is characterized by its carboxylic acid and phosphate group on either end. Glyphosate and phosphate ions can be retained and separated with a Newcrom B mixed-mode column using a mobile phase consisting of acetonitrile (MeCN), water, and formic acid (H<sub>3</sub>PO<sub>4</sub>) as a buffer. This method is compatible with mass spectrometry and be detected via a Charged aerosol detector (CAD).

## Method Parameters

<b>Mobile Phase</b>	MeCN – 20%
<b>Buffer</b>	Formic Acid – 0.5%

<b>Flow Rate</b>	1.0 ml/min
<b>Detection</b>	CAD
<b>Class of Compounds</b>	Insecticide, Herbicide, Fungicide, Hydrophobic, Ionizable
<b>Analyzing Compounds</b>	Glyphosate, Phosphate

#### HPLC Column Used

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

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