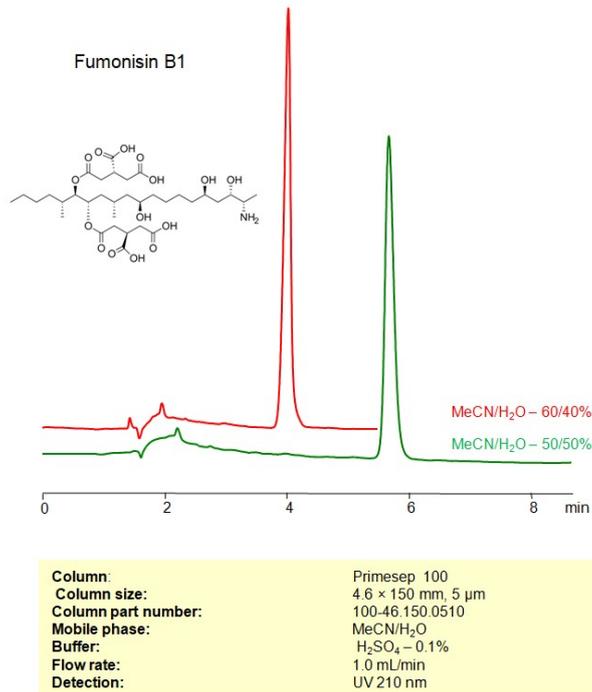


HPLC Method for Analysis of Fumonisin B1 on Primesep 100 Column



Fumonisin B1 is a type of mycotoxin produced by *Fusarium* molds, particularly *Fusarium verticillioides* and *Fusarium proliferatum*. These molds commonly infect corn and other crops, and through these, fumonisin B1 can enter the food chain. This toxin is found worldwide, and it's especially a concern in areas where corn is a staple food.

Fumonisin B1 is a notable mycotoxin due to its stability, widespread occurrence, and potential to cause harm to animals and humans. Monitoring and managing levels of this toxin in food products is essential to safeguard public and animal health.

Fumonisin B1 can be retained, and analyzed on a Primesep 100 mixed-mode stationary phase column using an isocratic analytical method with a simple mobile phase of water, Acetonitrile (MeCN), and a sulfuric acid as a buffer. This analysis method can be detected using UV at 210 nm.

Method Parameters

Column	Primesep 100, 4.6 x 150 mm, 5 µm, 100 Å, dual ended
Mobile Phase	MeCN/H ₂ O
Buffer	H ₂ SO ₄ -0.1%
Flow Rate	1.0 mL/min
Detection	UV 210 nm

Quelle: <https://sielc.com/hplc-method-for-analysis-of-fumonisin-b1>