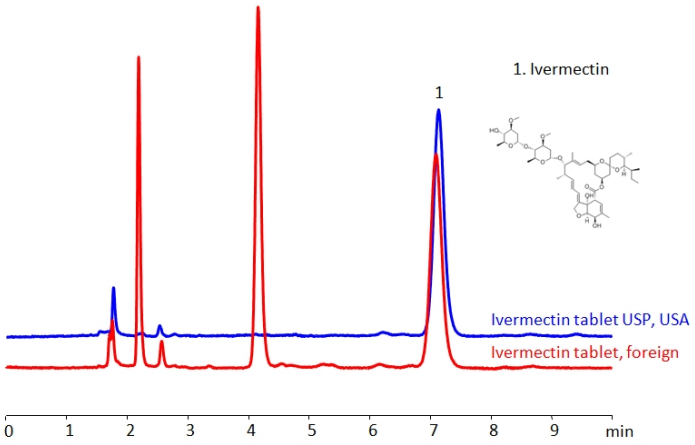
HPLC Method For Analysis of Ivermectin on Primesep 100 column



Column:	Primesep 100
Column size:	4.6 × 150 mm, 5 µm
Column part number:	100-46.150.0510
Mobile phase:	MeCN/H_2O – 60/40%
Buffer:	H_2SO_4 - 0.1%
Flow rate:	1.0 mL/min
UV Detection:	200 nm

High Performance Liquid Chromatography (HPLC) Method for Analysis of Ivermectin B1a .

Ivermectin is an anti-parasitic drug with the chemical formula C48H74O14 . It is often used to treat or prevent parasites in animals and humans. In dogs, it is routinely used to treat heartworm, though, certain breeds, can be severely poisoned by this medication. You can find detailed UV spectra of Ivermectin B1a and information about its various lambda maxima by visiting the following link.

Ivermectin can be retained and separated on the Primesep 100 mixed-mode column using an isocratic analytical method with a simple mobile phase of water, acetonitrile (MeCN), and sulfuric acid (H2SO4) buffer. This analysis method can be UV detected at 250 nm.

Method Parameters

Column	Primesep 100, 4.6 x 150 mm, 5 µm, 100 Å, dual ended
Mobile Phase	MeCN/H2O – 60/40%
Buffer	H2SO4 – 0.1%
Flow Rate	1.0 mL/min
Detection	UV, 200 nm

Quelle: https://sielc.com/hplc-method-for-analysis-of-ivermectin