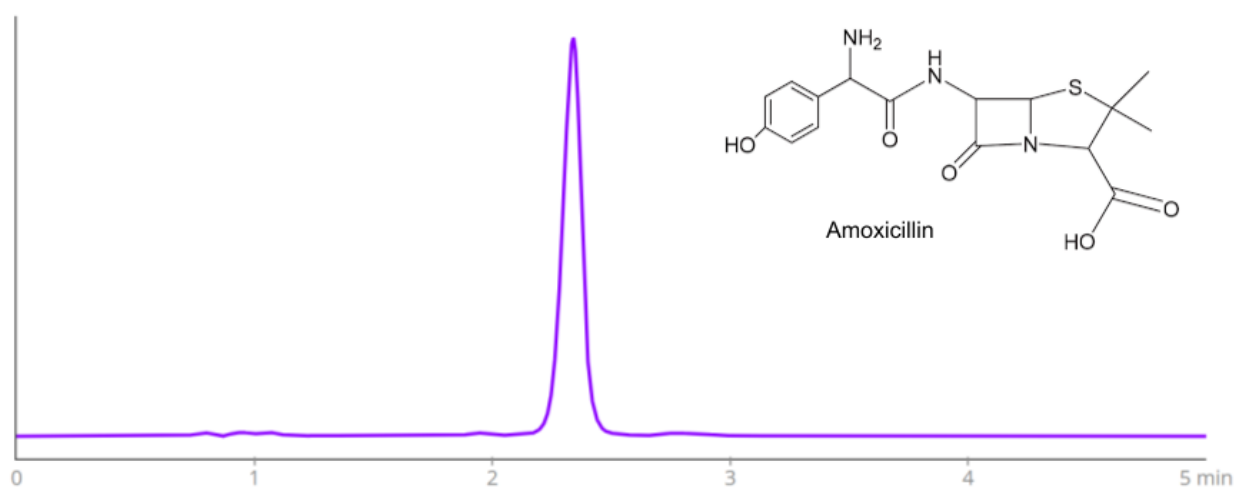


HPLC Method for Analysis of Amoxicillin on Primesep 100 Column with Cromite™

<https://sielc.com/hplc-method-for-analysis-of-amoxicillin>

Chromatogram



Column	Primesep 100
Column Size	3.2 x 115 mm, 5 µm
Part Number	100-32.115.0510
Mobile Phase	MeCN/H ₂ O - 50/50%
Buffer	H ₂ SO ₄ - 0.1%
Flow Rate	0.5 ml/min
Detection	UV 275 nm
Device	Cromite™ HPLC System

Description

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

Amoxicillin is a prescription antibiotic with the molecular formula C₁₆H₁₉N₃O₅S. It is typically used to treat bacterial infections and is taken orally.

Amoxicillin can be retained and analyzed using the Primesep 100 stationary phase column. The analysis utilizes an isocratic method with a simple mobile phase consisting of water and acetonitrile (MeCN) with a sulfuric acid buffer. Detection is performed using UV.

Method Parameters

Mobile Phase	MeCN – 50%
Buffer	Sulfuric Acid
Flow Rate	0.5 ml/min
Detection	UV 275 nm
Class of Compounds	Antibiotic
Analyzing Compounds	Amoxicillin

HPLC Column Used

Primesep 100, 3.2 x 100 mm, 5 µm, 100 A, dual ended

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