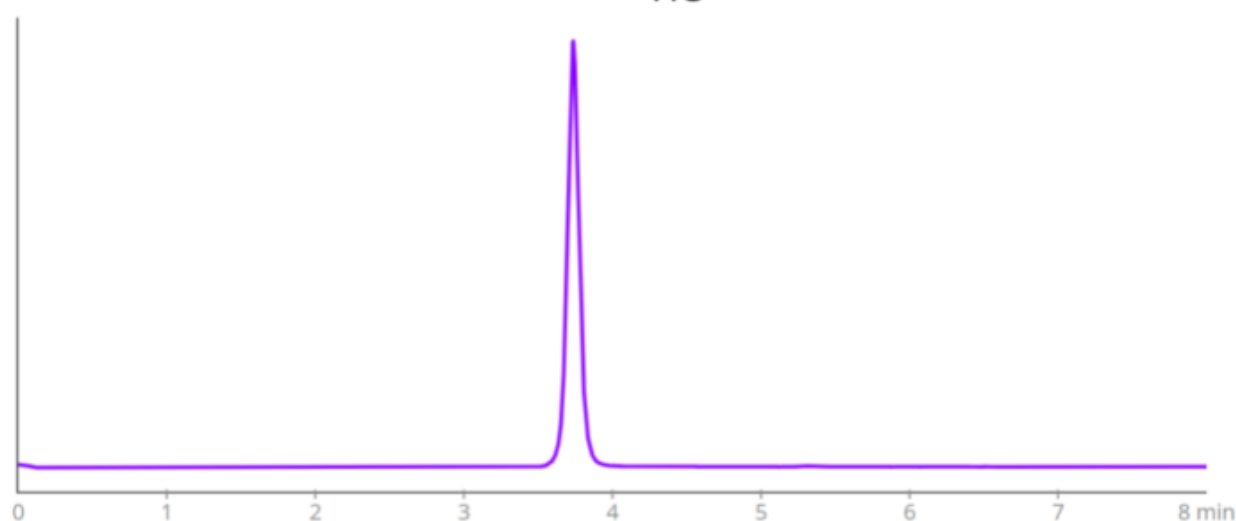
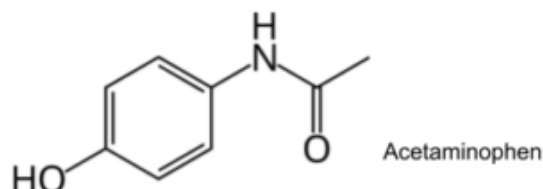


HPLC Method for Analysis of Acetaminophen on Primesep 100 Column on Alltesta™

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

Chromatogram

SiELC



Column	Primesep 100
Column Size	4.6 x 150mm, 5 µm
Part Number	100-46.150.0510
Mobile Phase	MeCN/H ₂ O - 10/90%
Buffer	H ₂ SO ₄ - 0.2%
Flow Rate	1.0 ml/min
Detection	UV 275 nm
Device	Alltesta™ Gradient Automated Analyzer

Description

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

Acetaminophen, also known as Paracetamol, is a medication with the molecular formula C₈H₉NO₂. It is an over-the-counter pain killer that also reduces fever. Unlike Ibuprofen and naproxen, it is not an anti-inflammatory drug.

Acetaminophen (Paracetamol) 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 – 10%
Buffer	H2SO4 – 0.2%
Flow Rate	1.0 ml/min
Detection	UV 275 nm
Class of Compounds	Organic Compound
Analyzing Compounds	Acetaminophen (Paracetamol)

HPLC Column Used

Primesep 100, 4.6 x 150 mm, 5 µm, 100 A, dual ended

[Order this column at **hplc-shop.de** →](#)