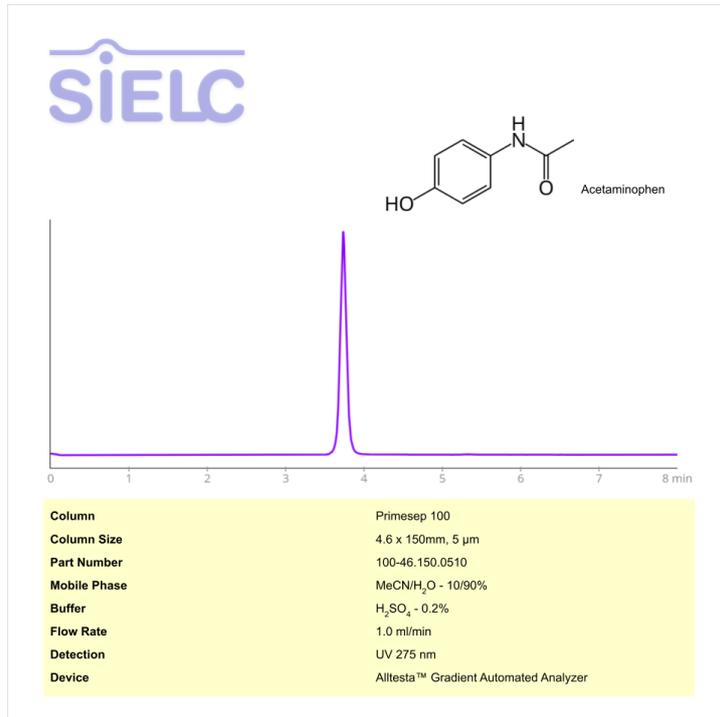


HPLC Method for Analysis of Acetaminophen on Primesep 100 Column on Alltesta™



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

Column	Primesep 100, 4.6 x 150 mm, 5 µm, 100 Å, dual ended
Mobile Phase	MeCN – 10%
Buffer	H ₂ SO ₄ – 0.2%
Flow Rate	1.0 mL/min
Detection	UV 275 nm

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