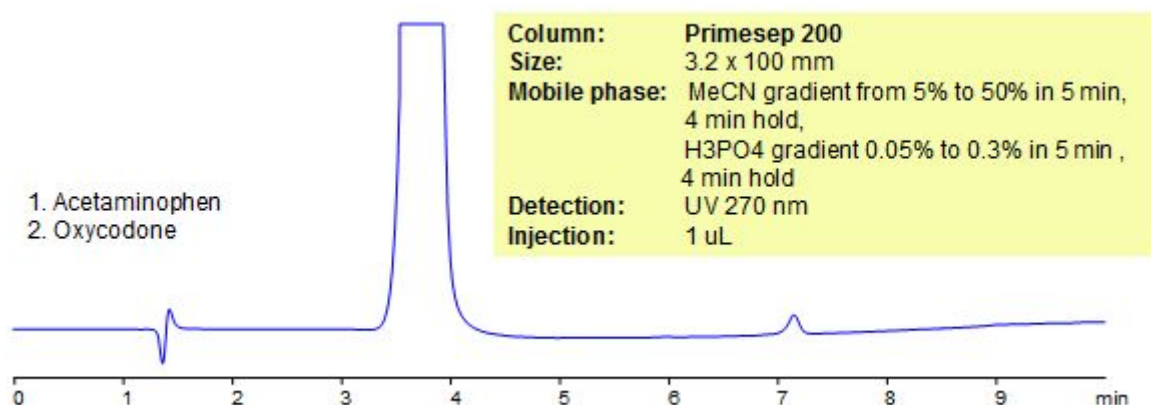


HPLC Method for Analysis of Acetaminophen and Oxycodone

<https://sielc.com/HPLC-Method-Analysis-Acetaminophen-Oxycodone>

Chromatogram



11

Description

Acetaminophen is a p-aminophenol derivative with analgesic and antipyretic activities. It has weak anti-inflammatory properties, may cause liver, blood cell, and kidney damage. It is a nonprescription medication for mild-to-moderate pain and fever.

Oxycodone is semi-synthetic opioid type drug that is used to help relieve moderate to severe pain. Primesep 200, a reverse phase column, contains embedded acidic ionizable groups and can retain Acetaminophen and Oxycodone. The method is UV compatible and can be used as a general approach for analyzing similar compounds.

Method Parameters

Mobile Phase	Gradient MeCN – 5-50%
Buffer	Gradient H3PO4 – 0.05-0.3%, 5 min, 4 min hold
Flow Rate	0.5 ml/min
Detection	UV, 270 nm
Class of Compounds	Drug, Analgetic, Acid, Hydrophilic, Ionizable,
Analyzing Compounds	Acetaminophen, Hydrocodone

HPLC Column Used

Primesep 200, 3.2x100 mm, 5 µm, 100A

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