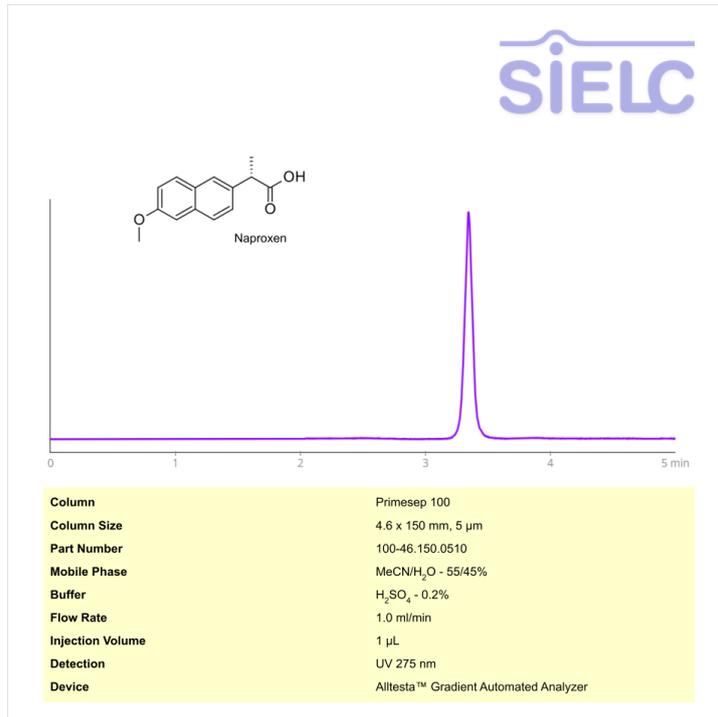


HPLC Method for Analysis of Naproxen on Primesep 100 Column on Alltesta™



High Performance Liquid Chromatography (HPLC) Method for Analysis of Naproxen

Naproxen is a common NSAID used for pain relief and fever reducer. It has the chemical formula C₁₄H₁₄O₃. It works through inhibiting the body's production of prostaglandins, therefore preventing pain and inflammation. It is available over-the-counter at lower dosages, and through prescription at higher dosages. As a NSAID, it carries a risk of heart attack, stroke, and gastrointestinal bleeding.

Naproxen 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 phosphoric acid as a 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 – 55%
Buffer	Sulfuric Acid
Flow Rate	1.0 mL/min
Detection	UV 275 nm

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