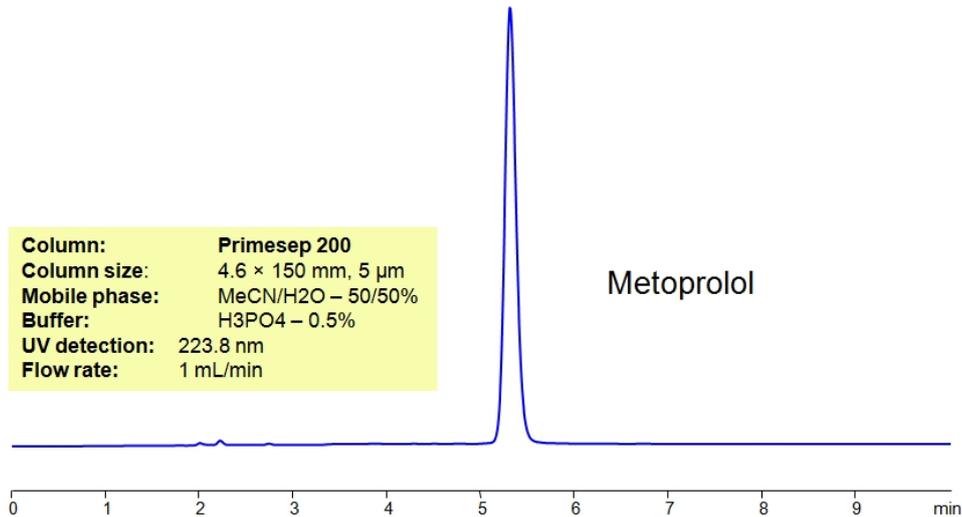


## HPLC Method for Analysis of Metoprolol in Tablets on Primesep 200 Column



### High Performance Liquid Chromatography (HPLC) Method for Analysis of Metoprolol

Metoprolol is a beta-blocker that is used to treat high blood pressure, angina, and heart failure by blocking beta-1 adrenergic receptors. At its most effective, it can lower the risk of death after a heart attack.

Metoprolol can be retained and analyzed using the Primesep 200 stationary phase column. The analysis utilizes an isocratic method with a simple mobile phase consisting of water and acetonitrile (MeCN) with a phosphoric acid buffer. Detection is performed using UV.

### Method Parameters

Column	Primesep 200, 4.6 x 150 mm, 5 µm, 100 Å, dual ended
Mobile Phase	MeCN/H <sub>2</sub> O – 50/50%
Buffer	H <sub>3</sub> PO <sub>4</sub> – 0.5%
Flow Rate	1.0 mL/min
Detection	UV, 223 nm

Quelle: <https://sielc.com/hplc-method-for-analysis-of-metoprolol-in-tablets>