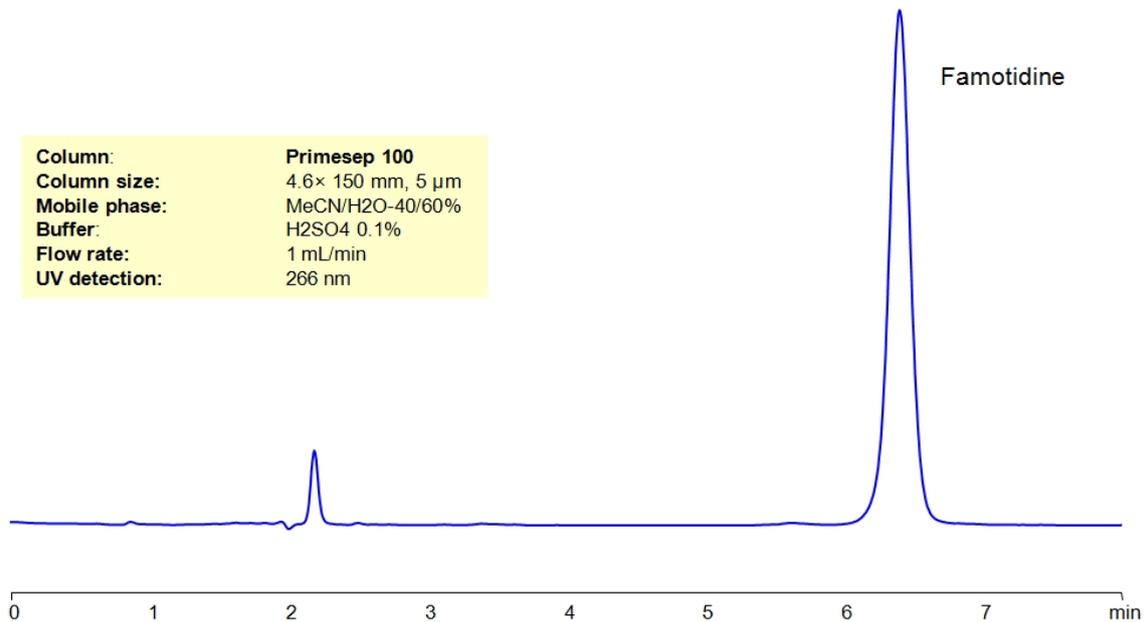


HPLC Determination of Famotidine in Tablets on Primesep 100 Column



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

Famotidine is an over-the-counter histamine H₂-receptor antagonist which is often used to decrease the amount of acid in the stomach. It works through blocking histamine-2 receptors in the stomach lining.

Famotidine 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/H ₂ O – 40/60%
Buffer	H ₂ SO ₄ – 0.1%
Flow Rate	1.0 mL/min
Detection	UV, 266 nm

Quelle: <https://sielc.com/hplc-determination-of-famotidine-in-tablets>