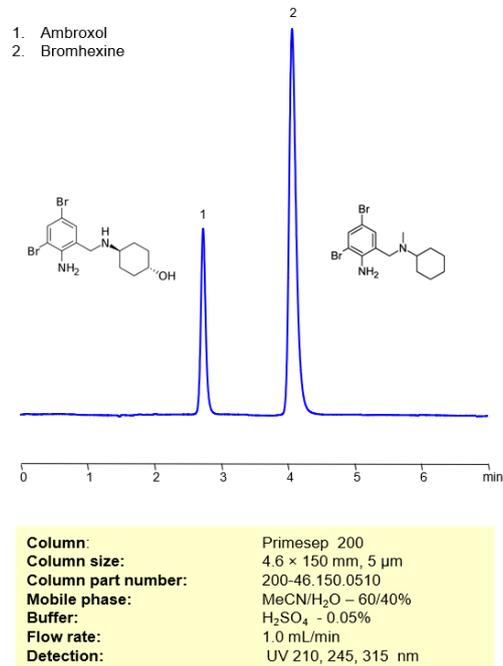


HPLC Method for Separation of Bromhexine and Ambroxol on Primesep 200 Column



Separation type: Liquid Chromatography Mixed-mode

Bromhexine is a popular mucolytic used to treat excessive mucus found in the respiratory system. Ambroxol is a well-known expectorant that targets and breaks down phlegm. These two mucus thinners can be retained, analyzed, and separated on a Primesep 200 column using an isocratic analytical method with a simple mobile phase of water, Acetonitrile (MeCN), and a Sulfuric acid (H₂SO₄) ionic modifier. This analysis method can be detected in the low UV regime at 210 nm, 245 nm, and 315 nm.

Method Parameters

Column	Primesep 200 , 4.6×150 mm, 5 µm, 100 Å
Mobile Phase	MeCN/H ₂ O – 60/40%
Buffer	H ₃ PO ₄ – 0.05%
Flow Rate	1.0 mL/min
Detection	UV 210, 245, 315 nm

Quelle: <https://sielc.com/hplc-determination-of-bromhexine-and-ambroxol>