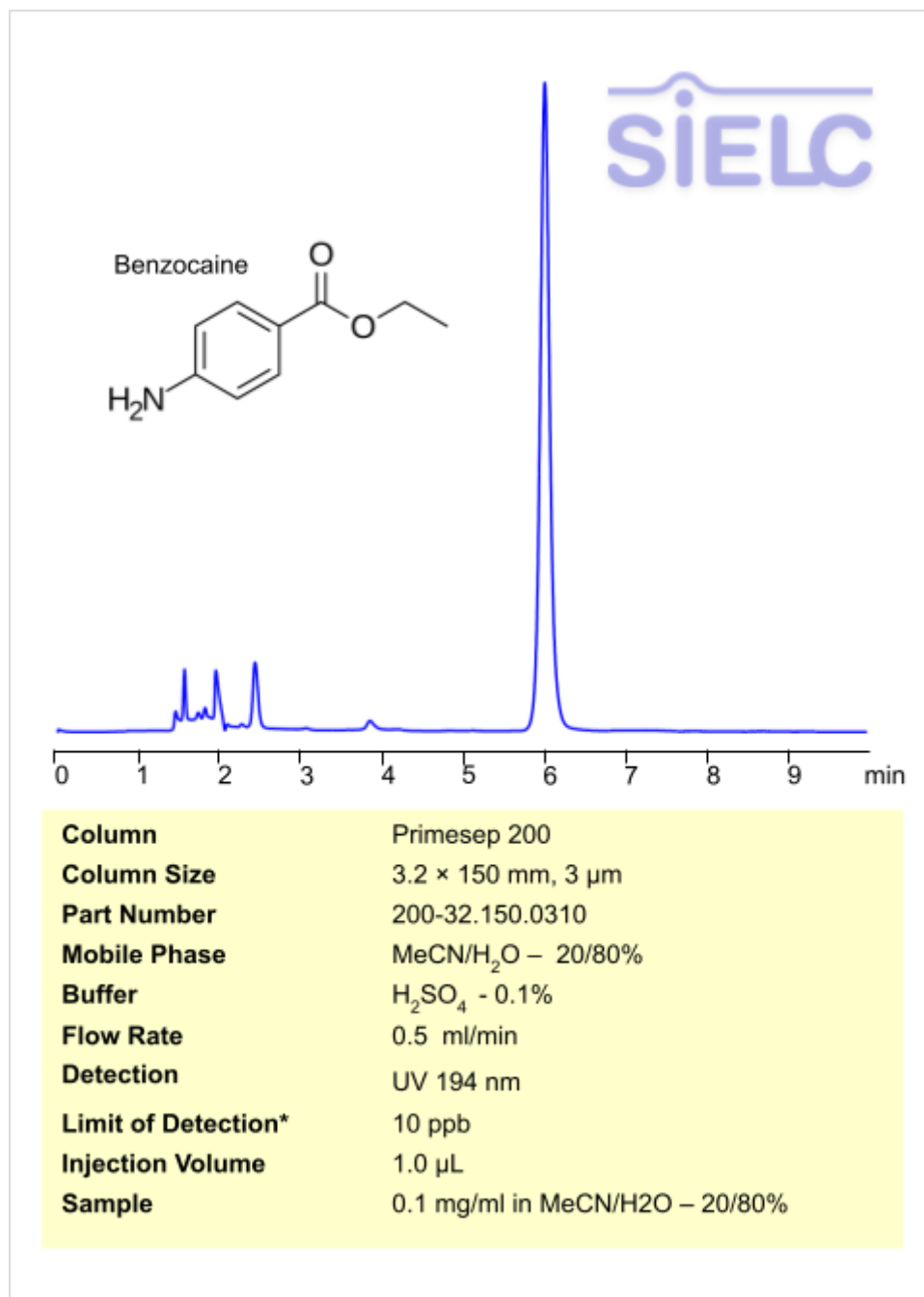


HPLC Method for Analysis of Benzocaine on Primesep 200 Column

<https://sielc.com/hplc-separation-of-benzocaine>

Chromatogram



Description

· High Performance Liquid Chromatography (HPLC) Method for Analysis of Benzocaine

Benzocaine is a local anesthetic with the chemical formula C₉H₁₁NO₂. It is primarily used to treat pain in the mouth, throat, and ears. On occasion it is also used on sunburns and hemorrhoids. It is also commonly used as an ingredient in other medications. You can find detailed UV spectra of Benzocaine and information about its various lambda maxima by visiting the following link .

Benzocaine 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 sulfuric acid as a buffer. Detection is

performed using UV.

Method Parameters

Mobile Phase	MeCN/H ₂ O – 20/80 %
Buffer	H ₂ SO ₄ – 0.1%
Flow Rate	0.5 ml/min
Detection	UV
Limit of Detection*	10 ppb
Class of Compounds	Amino Ester
Analyzing Compounds	Benzocaine

HPLC Column Used

Primesep 200, 3.2 x 150 mm, 3 µm, 100 Å, dual ended

[Order this column at **hplc-shop.de** →](#)