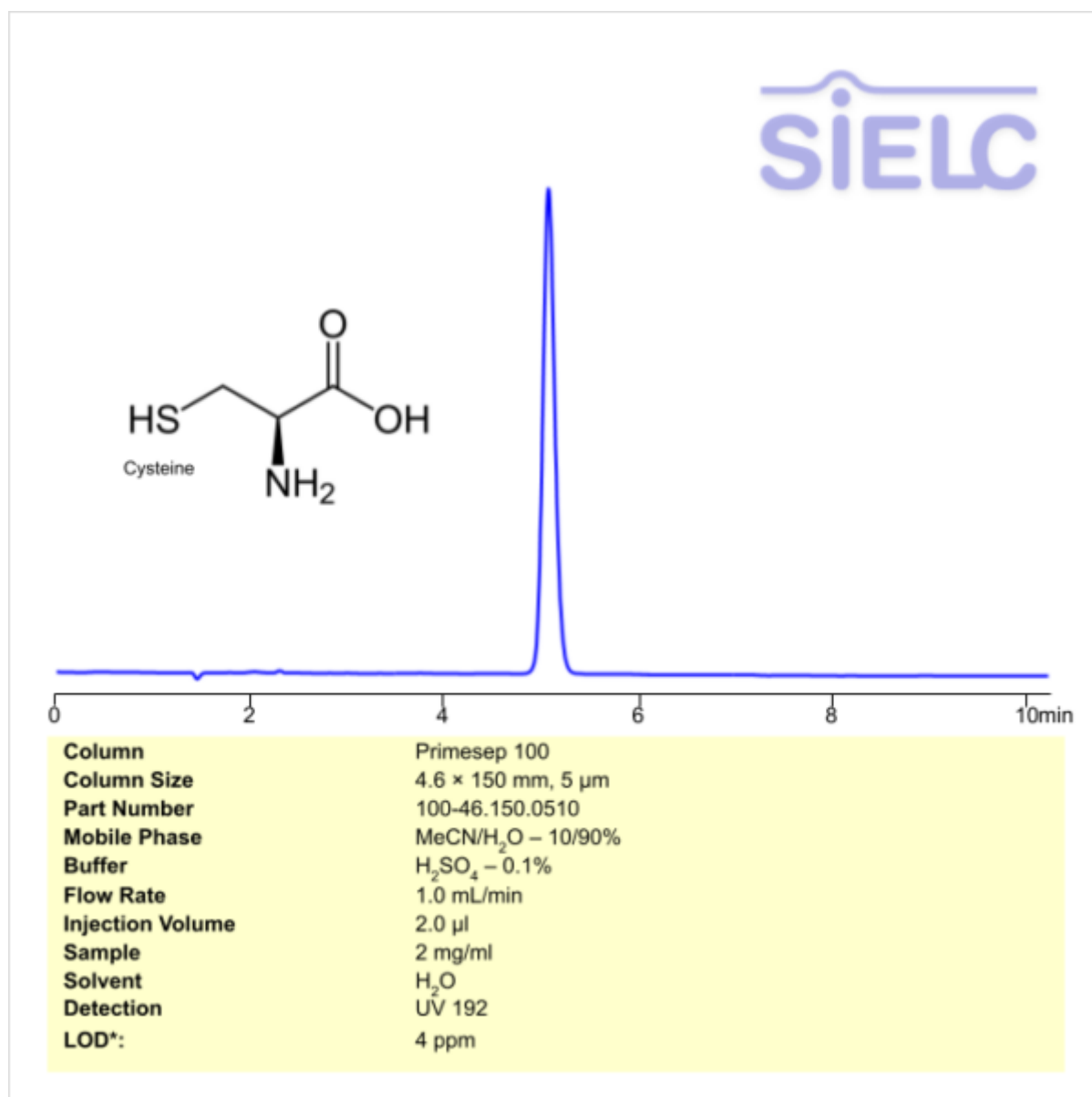


HPLC Method for Analysis of Cysteine on Primesep 100 Column

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

Chromatogram



Description

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

L-Cysteine is an amino acid with the chemical formula C₅H₁₀N₂O₃. It is primarily a building block for protein, but it also has antioxidant effects. On occasion, it is used to support people dealing with cancer, diabetes, and hangover, but there is yet to be substantial evidence that it works. Poultry, egg, beef, and whole grains are rich sources of the amino acid. You can find detailed UV spectra of Cysteine and information about its various lambda maxima by visiting the following link.

Cysteine can be retained and analyzed using the Primesep 100 stationary phase column. The analysis utilizes a gradient method with a simple mobile phase consisting of water and acetonitrile (MeCN) and ethanol. Detection is performed using UV.

Method Parameters

Mobile Phase

MeCN/H₂O – 10/90%

Buffer	H2SO4 – 0.1%
Flow Rate	1.0 ml/min
Detection	UV 192nm
Limit Of Detection*	4 ppm
Class of Compounds	Amino Acid
Analyzing Compounds	Cysteine

HPLC Column Used

Primesep 100, 4.6 x 150 mm, 5 µm, 100 Å, dual ended

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