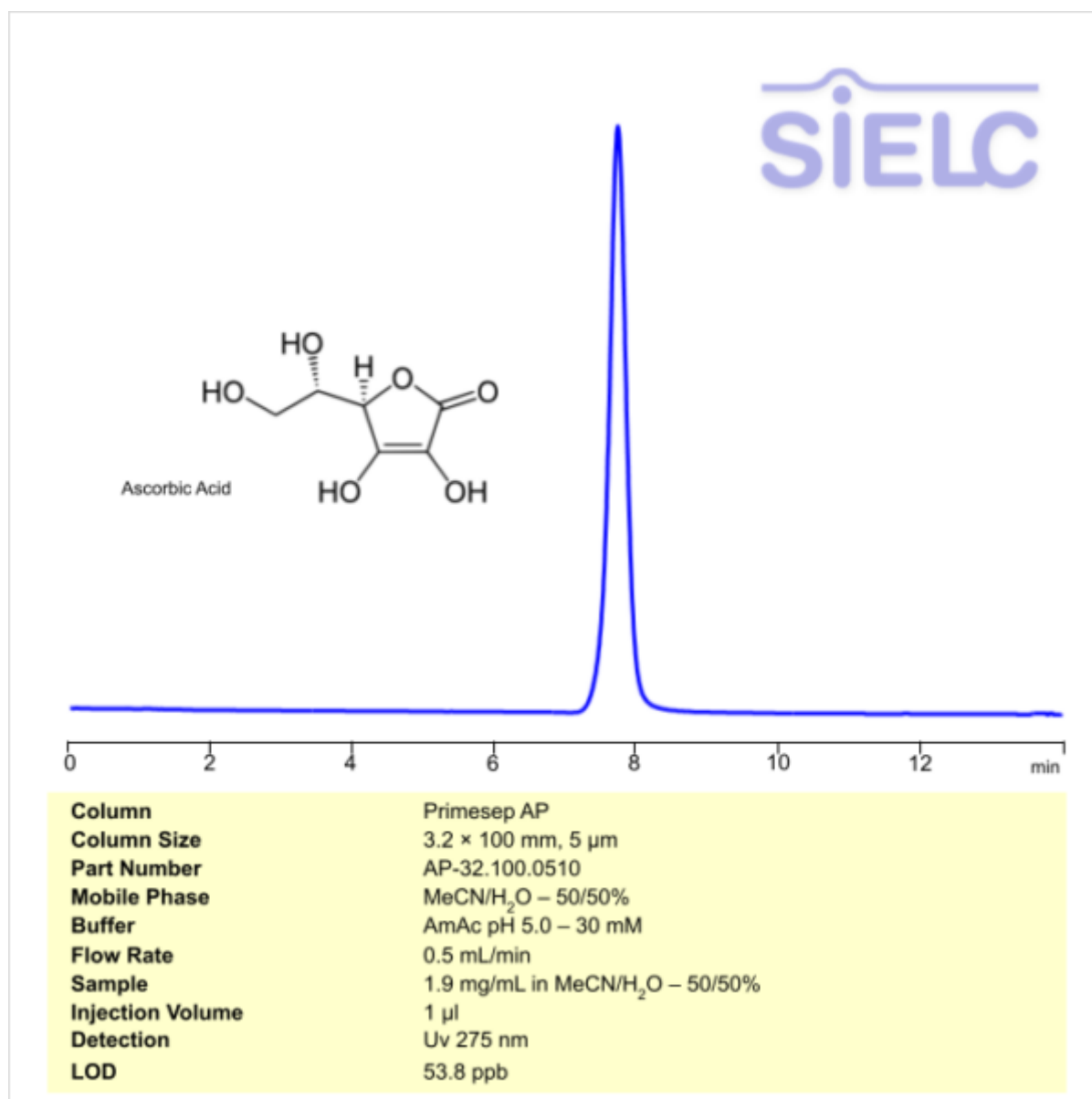


HPLC Method for Analysis of Ascorbic Acid on Primesep AP Column

<https://sielc.com/hplc-analysis-of-ascorbic-acid-4>

Chromatogram



Description

· HPLC Method for Analysis of Ascorbic Acid in on Primesep AP Column

Ascorbic Acid is a vitamin with the molecular formula C₆H₈O₆. Typically, it is used to treat scurvy, support immune system, and preserve food. It is a white to light yellow powder that is easily dissolved in water. It can be found in a large variety of fruits and vegetables, especially in citrus. You can find detailed UV spectra of Ascorbic Acid and information about its various lambda maxima by visiting the following link.

Ascorbic Acid can be retained and analyzed using the Primesep AP stationary phase column. The analysis utilizes an isocratic method with a mobile phase consisting of acetonitrile, water, and ammonium acetate. Detection is performed using UV.

Method Parameters

Mobile Phase

MeCN/H₂O – 50/50%

Buffer	AmAc pH 5.0 – 30 mM
Flow Rate	0.5 ml/min
Detection	UV 275 nm
Limit of Detection*	53.8 ppb
Class of Compounds	Vitamin
Analyzing Compounds	Ascorbic Acid

HPLC Column Used

Primesep AP, 3.2 x 100 mm, 5 µm, 100 A, dual ended

[Order this column at hplc-shop.de →](https://www.hplc-shop.de)