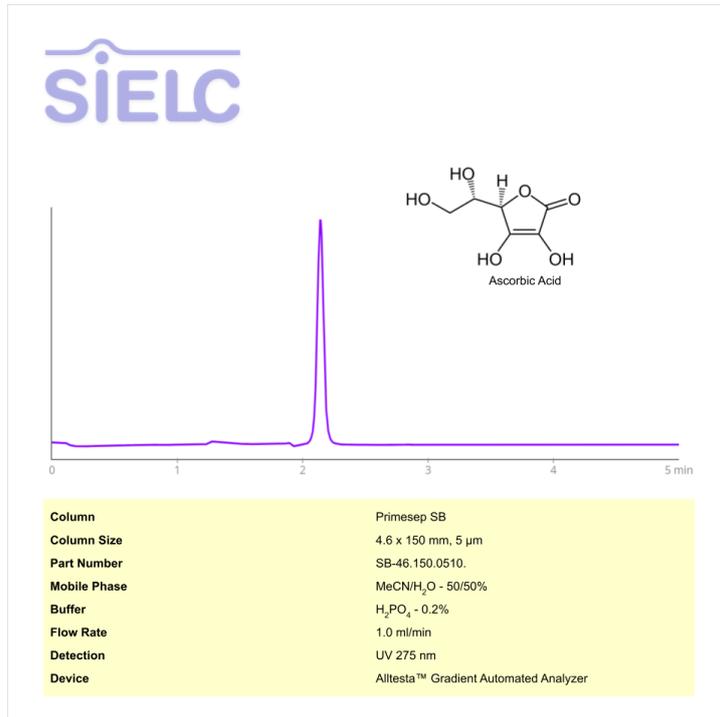


## HPLC Method for Analysis of Ascorbic Acid on Primesep SB Column on Alltesta™



### High Performance Liquid Chromatography (HPLC) Method for Analysis of Ascorbic Acid

Ascorbic Acid is a vitamin with the molecular formula C<sub>6</sub>H<sub>8</sub>O<sub>6</sub>. 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 fruits.

Ascorbic Acid can be retained and analyzed using the Primesep SB 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

<b>Column</b>	Primesep SB, 4.6 x 150 mm, 5 µm, 100 Å, dual ended
<b>Mobile Phase</b>	MeCN – 50%
<b>Buffer</b>	SulfuricAcid
<b>Flow Rate</b>	0.5 mL/min
<b>Detection</b>	UV 275 nm

Quelle: <https://sielc.com/hplc-method-for-analysis-of-ascorbic-acid-2>