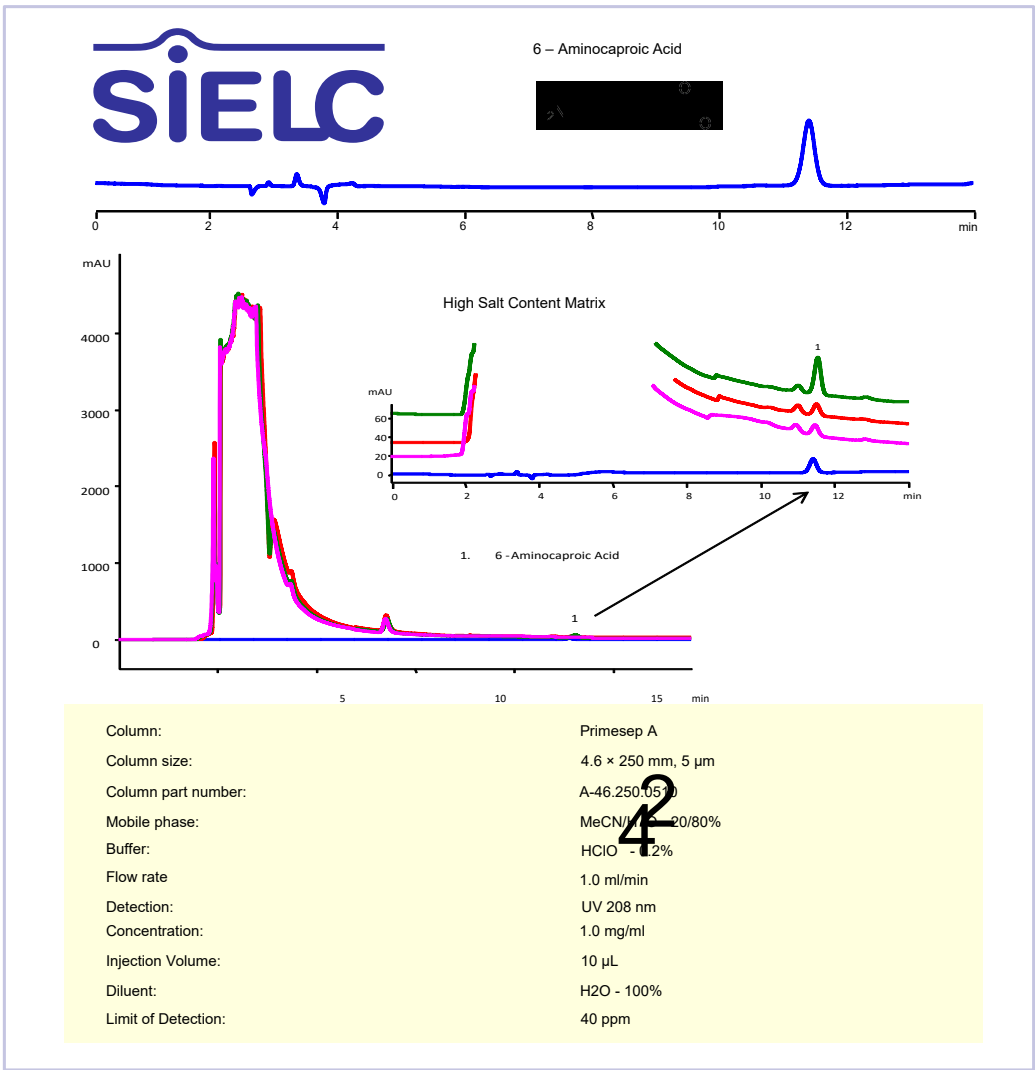


HPLC Method for Analysis of 6-Aminocaproic Acid in a High Salt Content Matrix on Primesep A Column

<https://sielc.com/hplc-method-6-aminocaproic-acid>

Chromatogram



Description

· Separation type: Liquid Chromatography Mixed-mode SIELC Technologies · HPLC Method for Analysis of 6-Aminocaproic acid on Primesep 100 Column · 6-Aminocaproic acid (6ACA) is a synthetic amino acid that is primarily used as a medication.

6-Aminocaproic acid can be retained, separated and analyzed using a Primesep A mixed-mode stationary phase column. The analysis employs an isocratic method with a simple mobile phase comprising water, acetonitrile (MeCN), and perchloric acid as a buffer. This method allows for detection using UV 200 nm.

You can find detailed UV spectra of 6-Aminocaproic acid and information about its various lambda maxima by visiting the following link .

Method Parameters

Mobile Phase	MeCN – 20%
Buffer	HClO ₄ -0.2%

Flow Rate	1.0 ml/min
Detection	UV 200 nm
Samples	1.0 mg/ml in H ₂ O – 100%
Injection volume	10 µl
LOD*	20 ppm (200 nm)
Class of Compounds	Acid
Analyzing Compounds	6-Aminocaproic acid

HPLC Column Used

Primesep A, 4.6 x 250 mm, 5 µm, 100 Å, dual ended

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