

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



Separation type: Liquid Chromatography Mixed-mode SIELC Technologies

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

Column	Primesep A, 4.6 x 250 mm, 5 µm, 100 Å, dual ended
Mobile Phase	MeCN – 20%
Buffer	HClO ₄ -0.2%
Flow Rate	1.0 mL/min
Detection	UV 200 nm
Injection Volume	10 µl

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