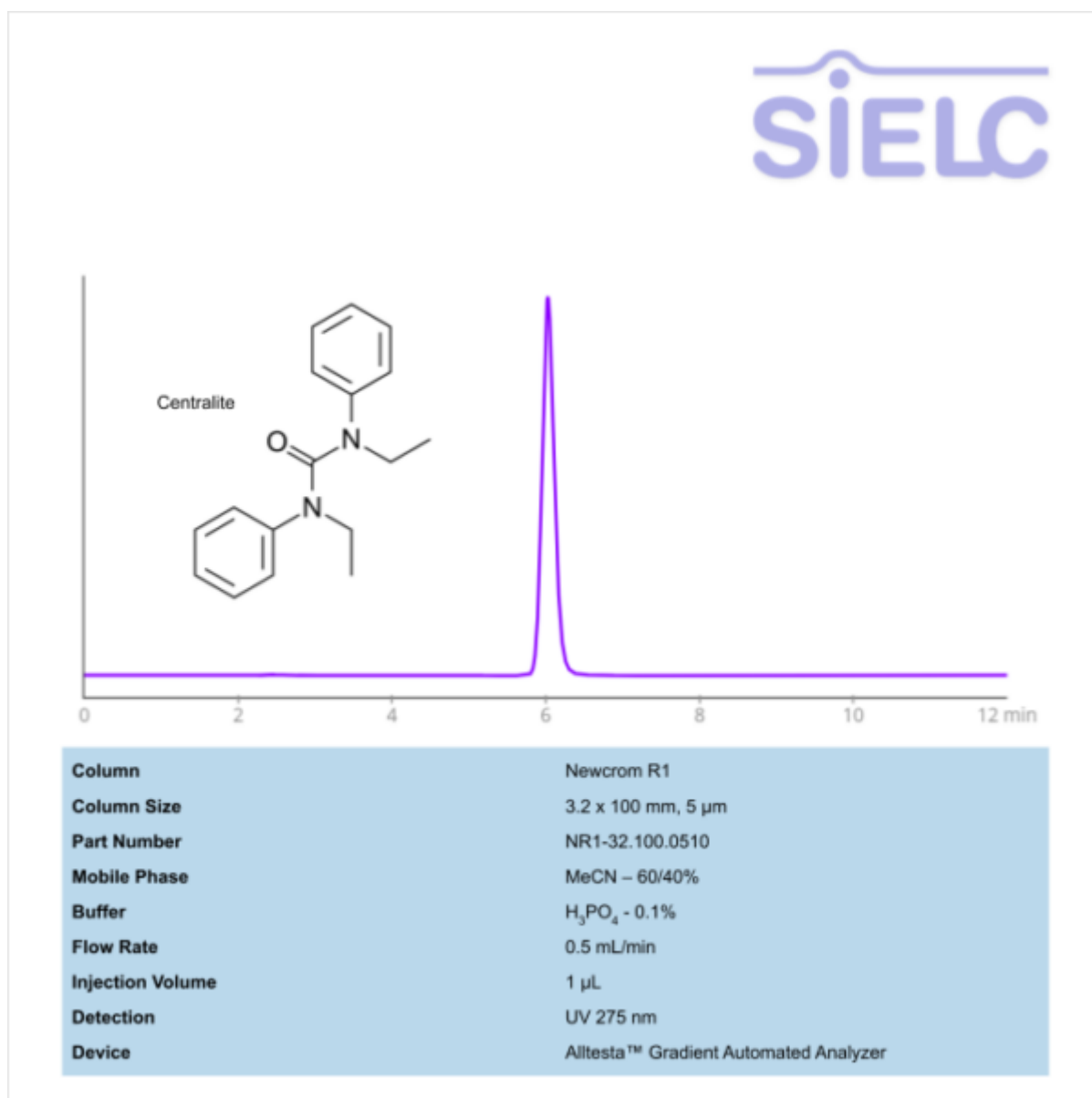


HPLC Method for Analysis of Centralite on Newcrom R1 Column on Alltesta™

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

Chromatogram



Description

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

Centralite is an organic compound with the chemical formula C₁₇H₂₀N₂O. It is used primarily to stabilize smokeless powder. In forensics, it is detected by GunShot Residue analysis. It is used as fuel burns when a gun is fired. It can be found on a suspect or crime scene using gas chromatography-mass spectrometry.

Centralite can be retained and analyzed using the Newcrom R1 stationary phase column. The analysis utilizes an isocratic method with a simple mobile phase consisting of water and acetonitrile (MeCN) with phosphoric acid as a buffer. Detection is performed using UV.

Method Parameters

Mobile Phase

MeCN -60/40%

Buffer	H3PO4– 0.1%
Flow Rate	0.5 mL/min
Detection	UV 275 nm
Class of Compounds	Organic Compound
Analyzing Compounds	Centralite

HPLC Column Used

Newcrom R1, 3.2 x 100 mm, 5 µm, 100 A, dual ended

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