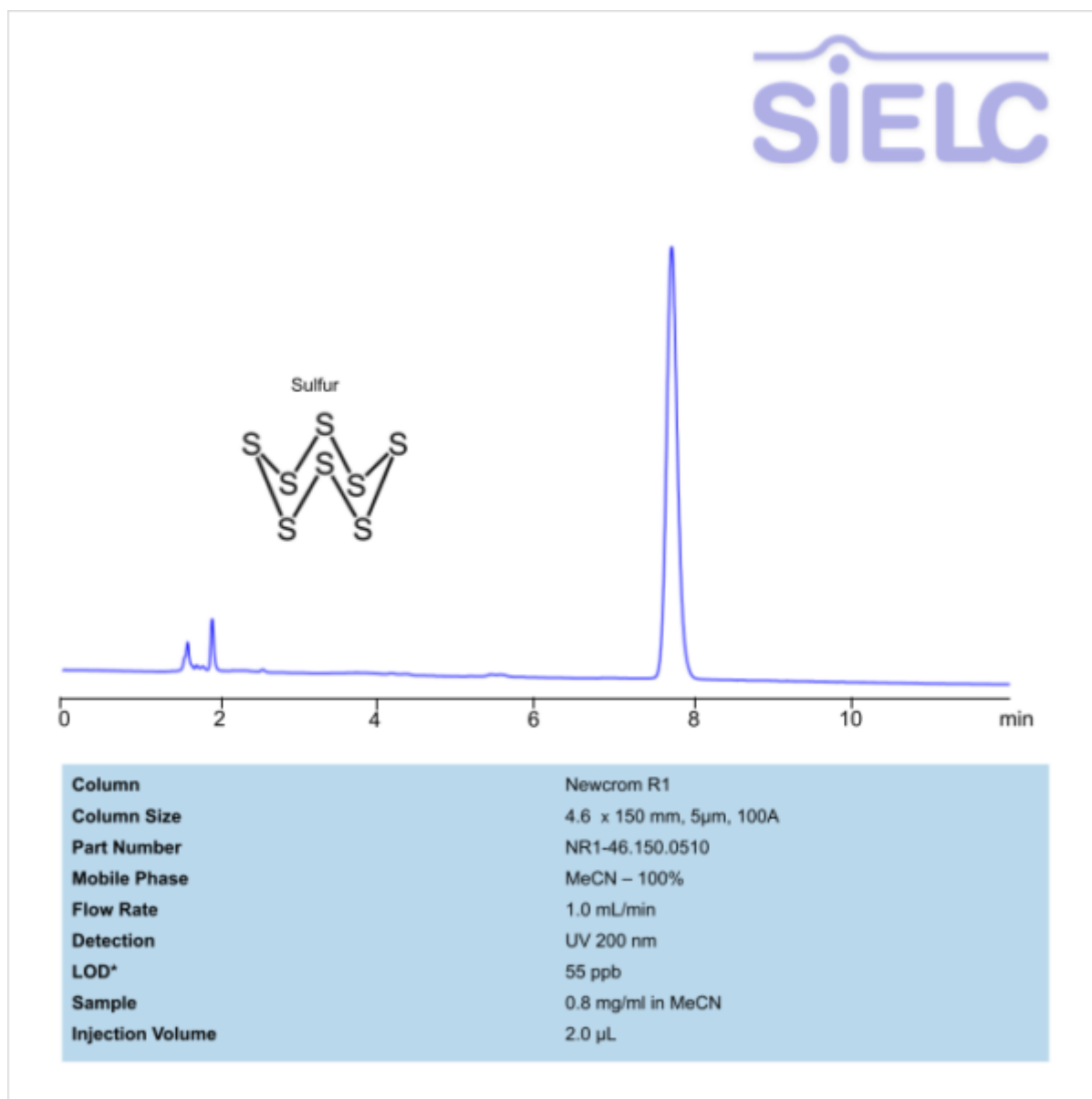


HPLC Method for Analysis of Elemental Sulfur on Newcrom R1 Column

<https://sielc.com/hplc-analysis-of-sulfur-newcrom-r1>

Chromatogram



Description

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

Sulfur is a non-metal with the symbol S and atomic number 16. Elemental sulfur is a yellow crystal at room temperature. It is one of the most abundant elements on Earth and in the universe. It is used primarily as a precursor to other chemicals or is converted to sulfuric acid.

Sulfur 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 acetonitrile (MeCN). Detection is performed using UV.

Method Parameters

Mobile Phase	MeCN
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Buffer	None
Flow Rate	1.0 ml/min
Detection	UV 200 nm
Limit of Detection*	55 ppb
Class of Compounds	Non-metal
Analyzing Compounds	Sulfur

HPLC Column Used

Newcrom R1, 4.6 x 150 mm, 5 µm, 100 A, dual ended

[Order this column at hplc-shop.de →](#)