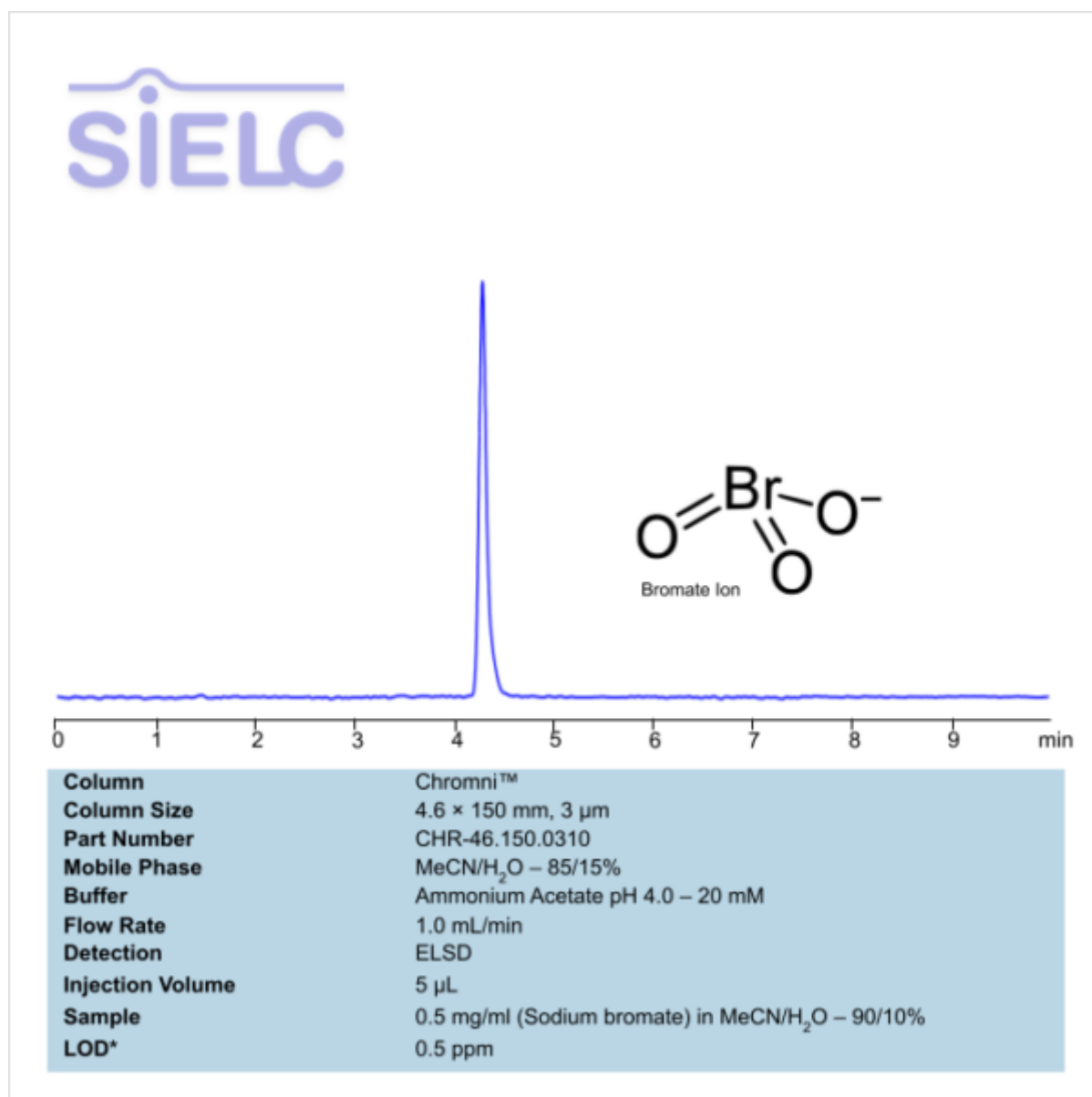


HPLC Method for Analysis of Bromate Ion on Chromni Column

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

Chromatogram



Description

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

Bromate is an oxyanion with the chemical formula BrO_3^- . It is formed in water through a reaction of ozone and bromide. It is suspected to be a human carcinogen.

Bromate can be retained and analyzed using the Chromni stationary phase column. The analysis utilizes an isocratic method with a simple mobile phase consisting of water and acetonitrile (MeCN). Detection is performed using UV.

Method Parameters

Mobile Phase	MeCN/H ₂ O – 85/15%
Buffer	Ammonium Acetate pH 4 – 20 mM

Flow Rate	1.0 mL/min
Detection	ELSD
Limit Of Detection*	0.5 ppm
Class of Compounds	Oxyanion
Analyzing Compounds	Bromate

HPLC Column Used

Chromni, 4.6 x 150 mm, 3 µm, 100 A, dual ended

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