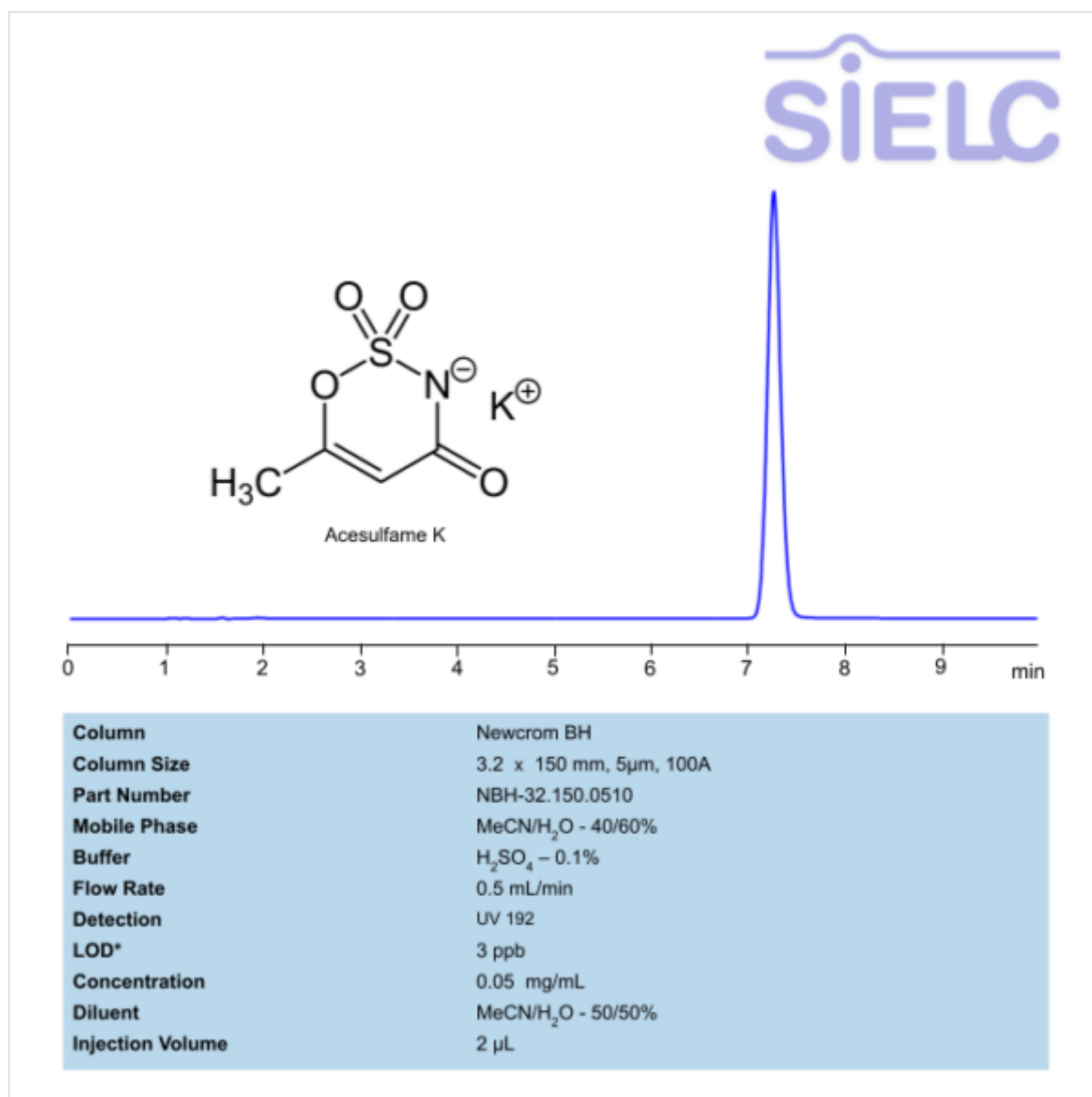


HPLC Method for Analysis of Acesulfame K on Newcrom BH Column

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

Chromatogram



Description

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

Acesulfame K , also known as Acesulfame potassium and Ace K, is a sugar substitute with the formula C₄H₄KNO₄S . It is significantly sweeter than other popular sugars, but has a bitter aftertaste at high concentration. You can find detailed UV spectra of Acesulfame K and information about its various lambda maxima by visiting the following link.

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

Method Parameters

Mobile Phase

MeCN/H₂O – 40/60%

Buffer	H2SO4– 0.1%
Flow Rate	0.5 ml/min
Detection	UV 192 nm
LOD*	3 ppb
Class of Compounds	Sugar
Analyzing Compounds	Acesulfame K

HPLC Column Used

Newcrom BH, 3.2 x 150 mm, 5 µm, 100 A, dual ended

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