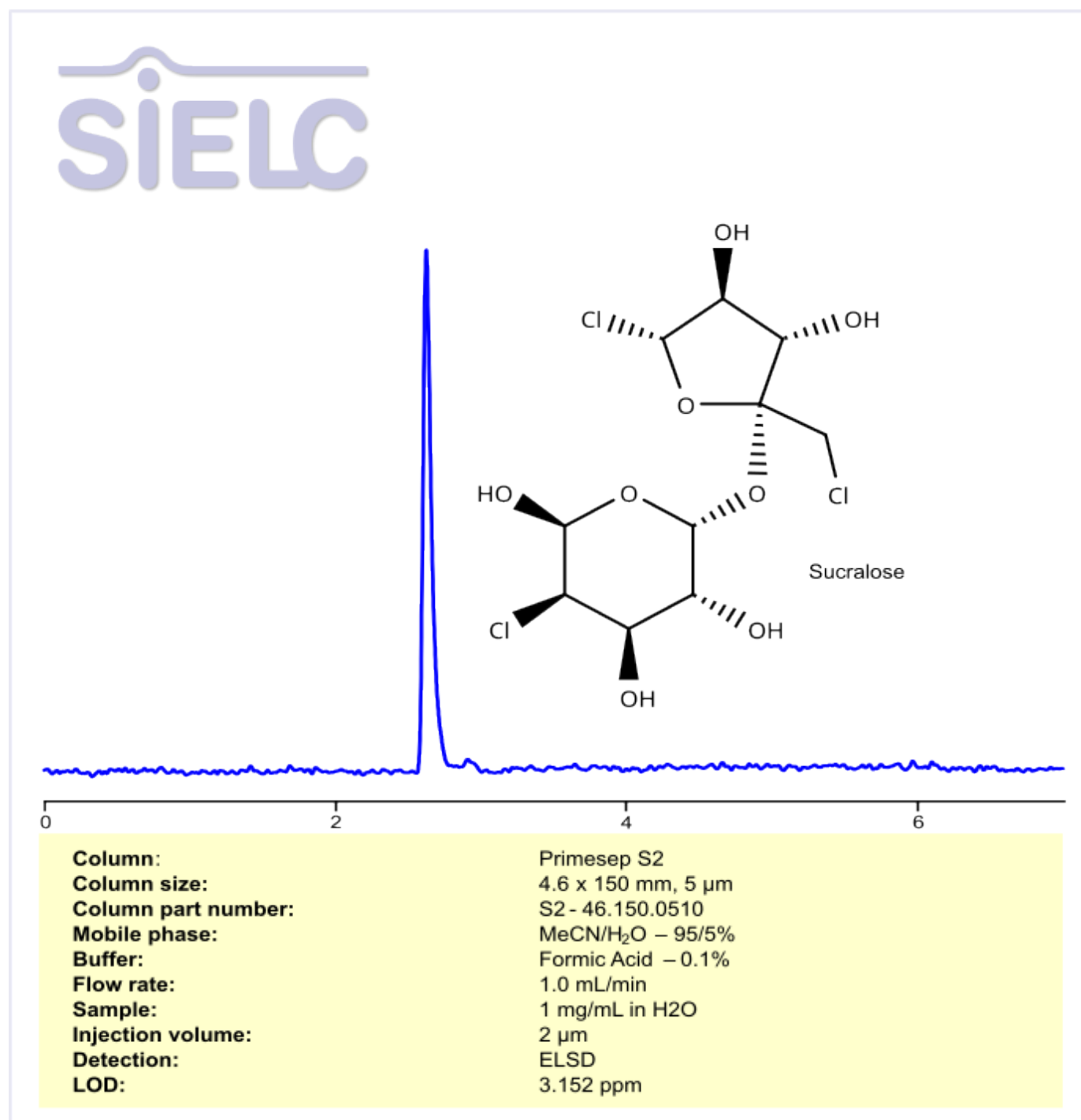


HPLC Method for Analysis of Sucralose on Primesep S2 Column

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

Chromatogram



Description

· High Performance Liquid Chromatography (HPLC) Method for Analysis of Sucralose · Sucralose is an synthetic organochlorine compound with the molecular formula C₁₂H₁₉Cl₃O₈. · Properties: Appearance: Typically a white, odorless, crystalline powder. · Molecular weight: ~397.6 g/mol · Solubility: Soluble in water.

Uses: An artificial sweetener used to provide sweetness in food and beverages without the calories of sugar.

Sucralose can be retained and analyzed using the Primesep S2 stationary phase column. The analysis utilizes an isocratic method with a simple mobile phase consisting of water, acetonitrile (MeCN), and formic acid. Detection is performed using ELSD.

Method Parameters

Mobile Phase	MeCN – 95%
Buffer	Formic Acid – 0.1%
Flow Rate	1.0 ml/min
Detection	ELSD
LOD	3.152 ppm
Class of Compounds	Chlorinated Disaccharide
Analyzing Compounds	Sucralose

HPLC Column Used

Primesep S2, 4.6 x 150 mm, 5 µm, 100 Å, dual ended

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