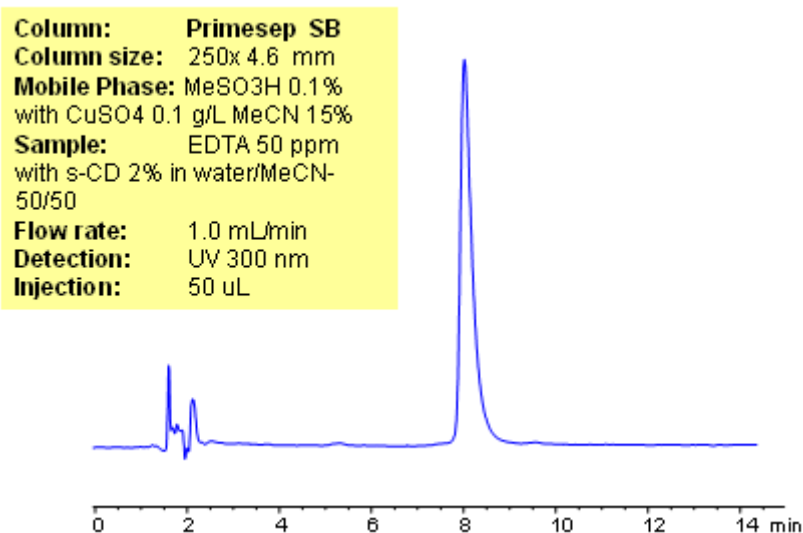


# HPLC Retention of EDTA in Sulfated CD

<https://sielc.com/Application-HPLC-Retention-of-EDTA-in-Sulfated-CD>

## Chromatogram



## Description

EDTA, or Ethylenediaminetetraacetic acid, is widely used in textile, pulp/paper, food and pharmaceutical industries. It has application as chelating agent and preservative. EDTA molecule is very hydrophilic and contains two basic groups and four carboxylic groups. It has tendency to bind to metals, making analysis of EDTA by HPLC very challenging. EDTA is analyzed in the presence of copper sulfate as visualization agent on a Primesep SB column. The method can be used for EDTA determination in various mixtures and compositions using UV detector.

## Method Parameters

<b>Mobile Phase</b>	MeCN/H <sub>2</sub> O
<b>Buffer</b>	MeSO <sub>3</sub> H with CuSO <sub>4</sub>
<b>Flow Rate</b>	1.0 ml/min
<b>Detection</b>	UV 300 nm
<b>Class of Compounds</b>	Acid
<b>Analyzing Compounds</b>	EDTA, or Ethylenediaminetetraacetic acid

## HPLC Column Used

**Primesep SB , 4.6x250 mm, 5 µm, 100A**