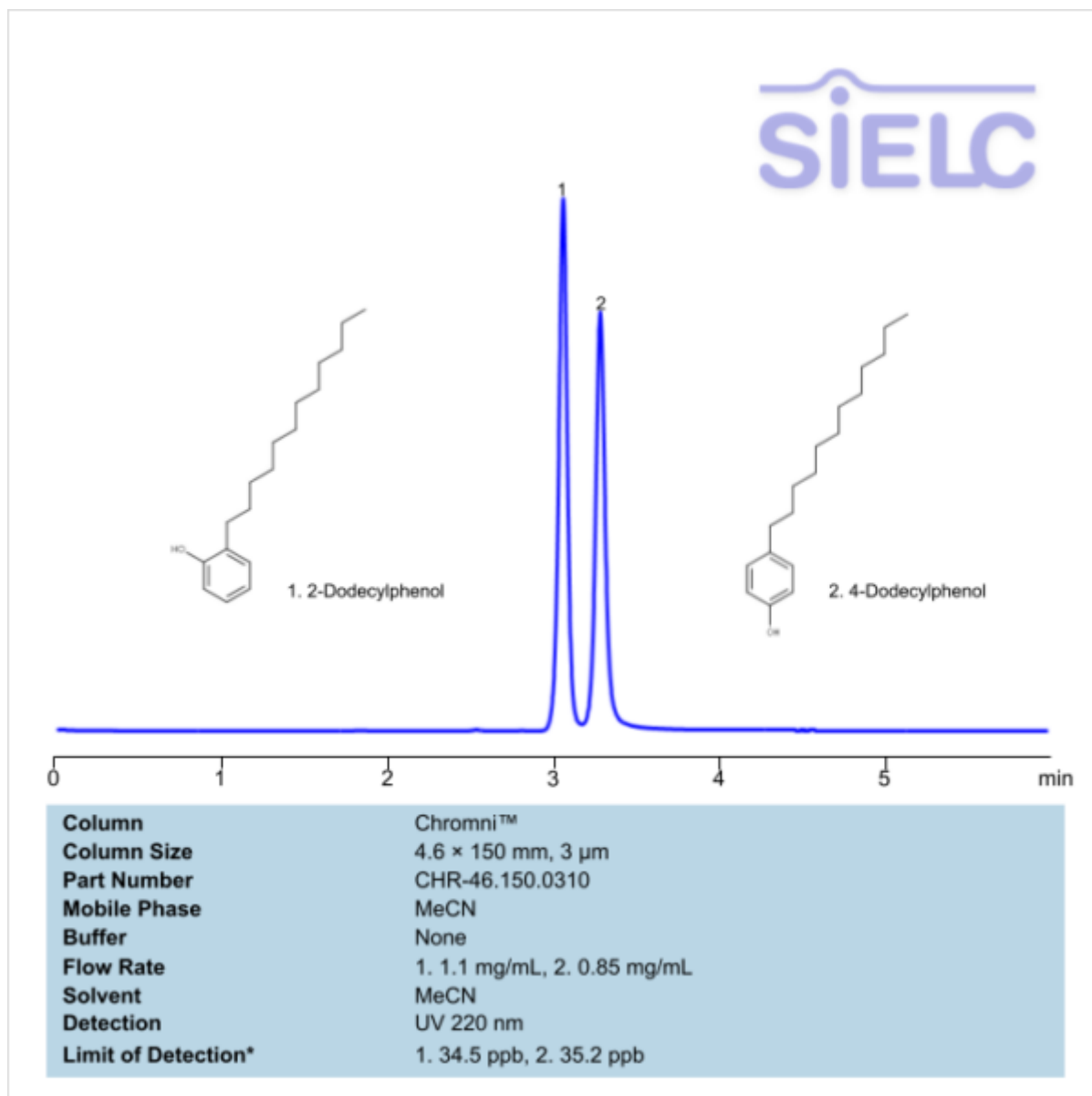


HPLC Method for Separation of 2-Dodecylphenol and 4-Dodecylphenol on Chromni Column

<https://sielc.com/hplc-method-for-analysis-of-2-dodecylphenol-4-dodecylphenol>

Chromatogram



Description

High Performance Liquid Chromatography (HPLC) Method for Analysis of 2-Dodecylphenol , 4-Dodecylphenol .

Dodecylphenol is an alkylphenol chemical compound with the formula C₁₈H₃₀O . It is used primarily in industrial manufacturing of detergents, lubricants, and fuels. It is used as an intermediate in the mining industry as well as in the production of a wide variety of resins.

2-Dodecylphenol , 4-Dodecylphenol can be retained and analyzed using the Chromni stationary phase column. The analysis utilizes a gradient method with a simple mobile phase consisting of water and acetonitrile (MeCN). Detection is performed using UV.

Method Parameters

Mobile Phase	MeCN
Buffer	None
Flow Rate	1.0 ml/min
Detection	UV 220 nm
LOD*	1. 34.5 ppb, 2. 35.2 ppb
Class of Compounds	Phenol
Analyzing Compounds	2-Dodecylphenol,4-Dodecylphenol

HPLC Column Used

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

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