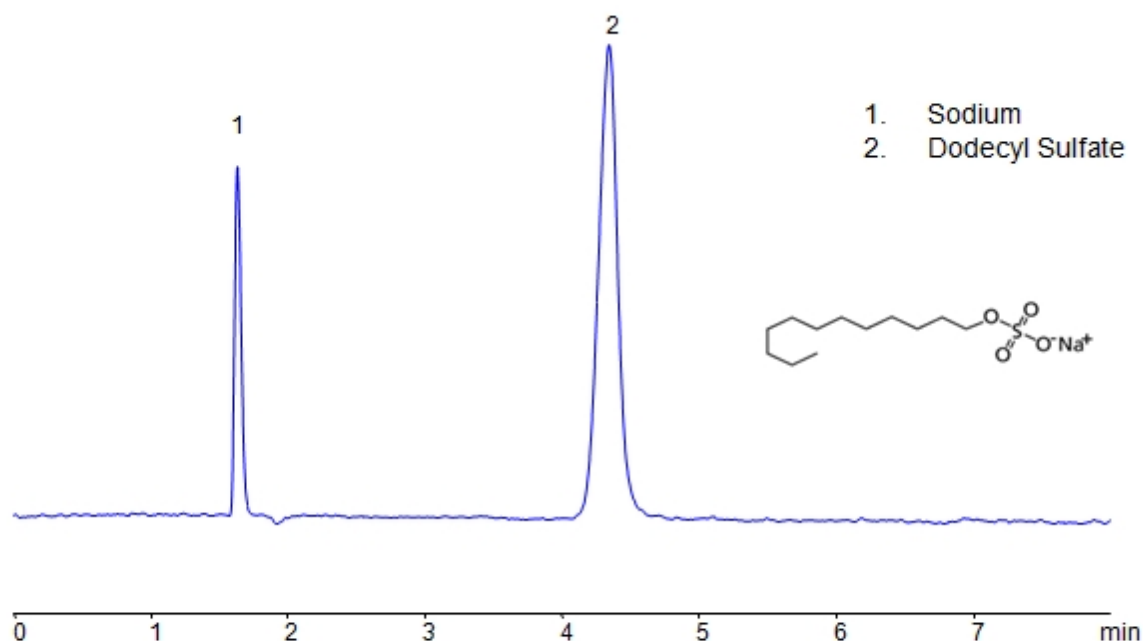


HPLC Determination of Sodium Dodecyl Sulfate on Primesep B4 Column

<https://sielc.com/hplc-determination-of-sodium-dodecyl-sulfate>

Chromatogram



Column:	Primesep B4
Column size:	4.6 × 150 mm, 5 µm
Mobile phase:	MeCN/H ₂ O – 60/40%
Buffer:	Ammonium Formate - 30 mM pH 3.0
Flow rate:	1 mL/min
Detection:	CAD (Corona) (MS-compatible mobile phase)

HPLC Determination of Sodium Dodecyl Sulfate

Description

· High Performance Liquid Chromatography (HPLC) Method for Analysis of Sodium dodecyl sulfate .

Sodium dodecyl sulfate, or sodium lauryl sulfate, is a surfactant used in cleaning and hygienic products. It has a twelve carbon hydrophobic tail attached to a polar sulfate. Dodecyl sulfate can be retained on Primesep B4 column in under 5 minutes with an MS-compatible mobile phase. Primesep B4 is a short carbon chain reverse-phase (RP) mixed-mode column with embedded basic ion-pairing groups.

Method Parameters

Mobile Phase	MeCN/H ₂ O – 60/40%
Buffer	AmFm pH 3.0 – 30 mM
Flow Rate	1.0 ml/min
Detection	CAD (Corona) MS- compatible mobile phase

Class of Compounds	Hydrophobic, Base, Ionizable, Anionic surfactant
Analyzing Compounds	Sodium dodecyl sulfate

HPLC Column Used

Primesep B4

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