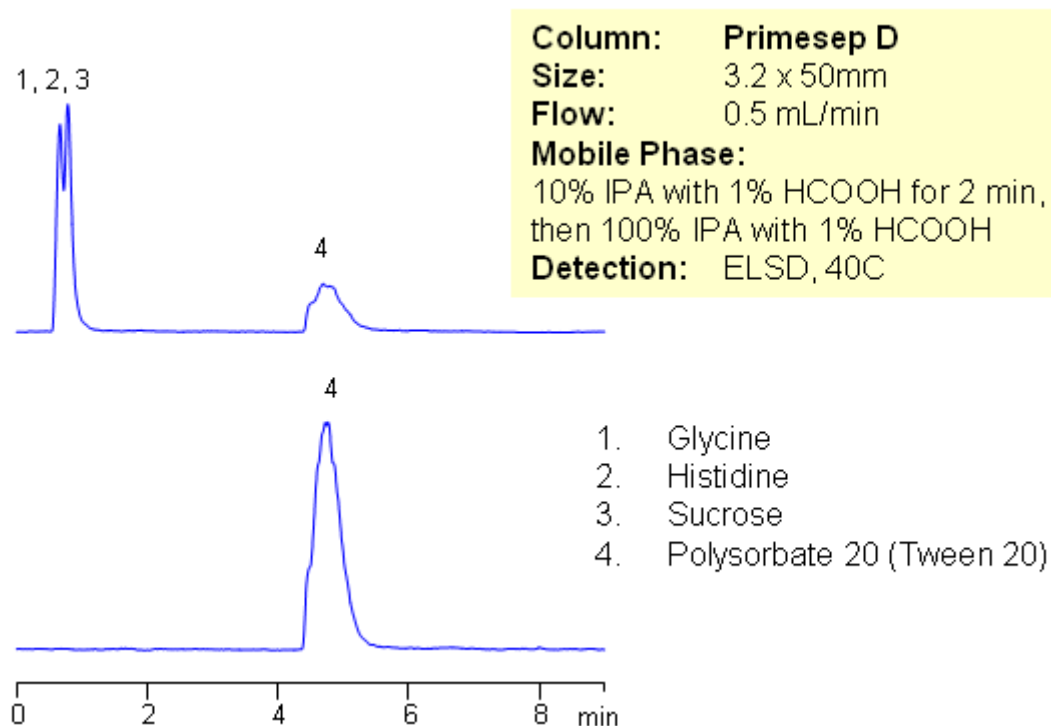


# HPLC Analysis of Polysorbate in Mixture with Amino Acids and Sugar

<https://sielc.com/Application-HPLC-Analysis-of-Polysorbate-in-Mixture-With-Amino-Acids-and-Sugar>

## Chromatogram



## Description

Polysorbates are a class of emulsifiers used in some pharmaceuticals and food preparation. They are often used in cosmetics to solubilize essential oils into water-based products. Polysorbates are oily liquids derived from PEG-ylated sorbitan (a derivative of sorbitol) esterified with fatty acids. Surfactants that are esters of plain (non-PEG-ylated) sorbitan with fatty acids are usually referred to by the name Span. It is often required to quantitate Polysorbate (Polysorbate/Tween 20, Polysorbate/Tween 40, Polysorbate 60/Tween 60 and Polysorbate 80) by HPLC in various formulations. Polysorbates exist in form of oligomers.

## Method Parameters

<b>Mobile Phase</b>	IPA
<b>Buffer</b>	Formic Acid
<b>Flow Rate</b>	0.5 ml/min
<b>Detection</b>	ELSD
<b>Class of Compounds</b>	Drug, Acid, Hydrophilic, Ionizable, Vitamin, Supplements, Amino acid
<b>Analyzing Compounds</b>	Glycine, Histidine, Sucrose, Polysorbate 20

## HPLC Column Used

**Primesep D, 3.2x50 mm, 5 µm, 100A**

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