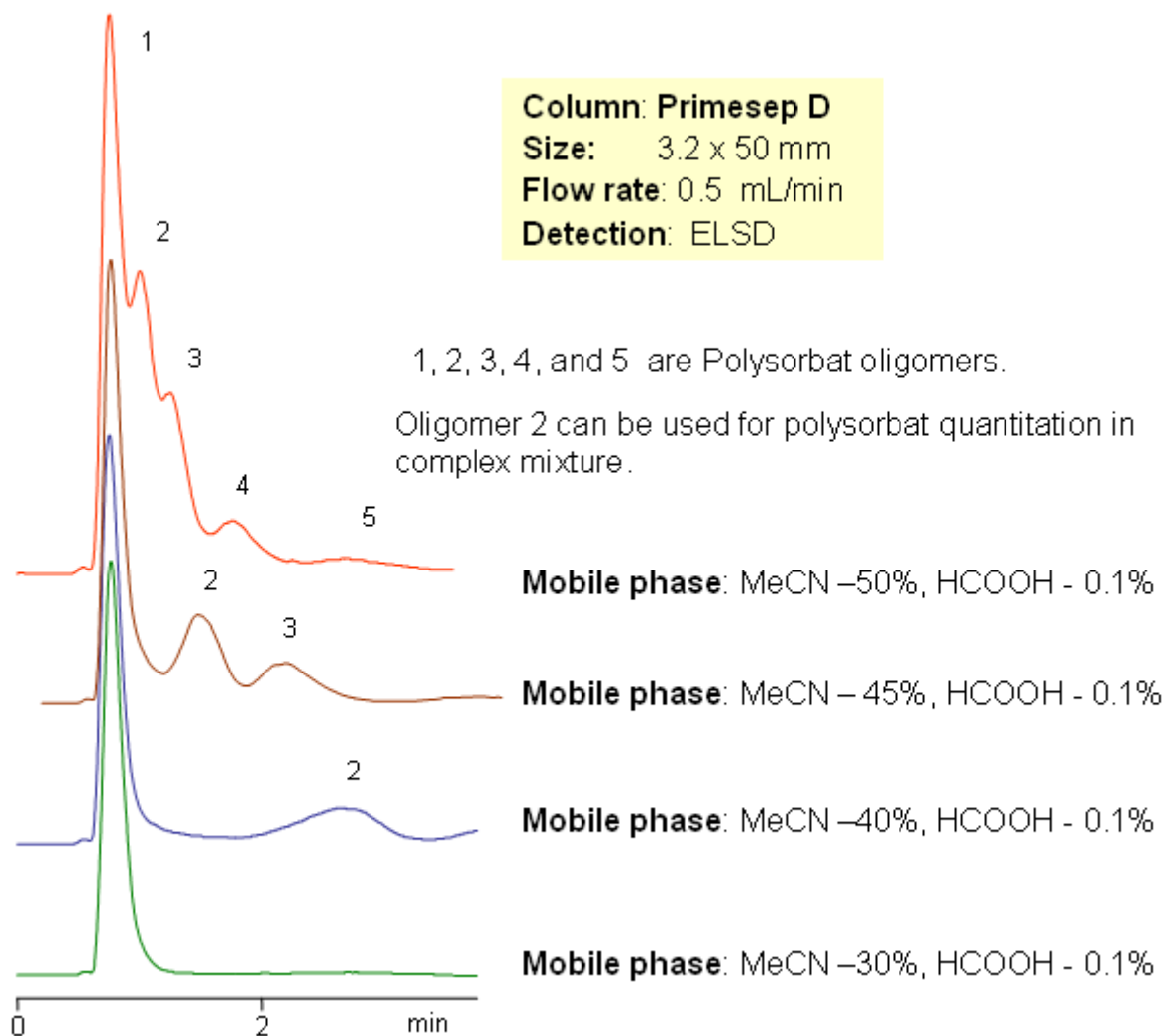


HPLC Retention of Polysorbate on Primesep D Column

<https://sielc.com/Application-HPLC-Retention-of-Polysorbate-on-Primesep-D-Column>

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. All oligomers are separated on Primesep D HPLC column. One of the oligomers can be used in quantitating polysorbate in various drug and food formulations.