

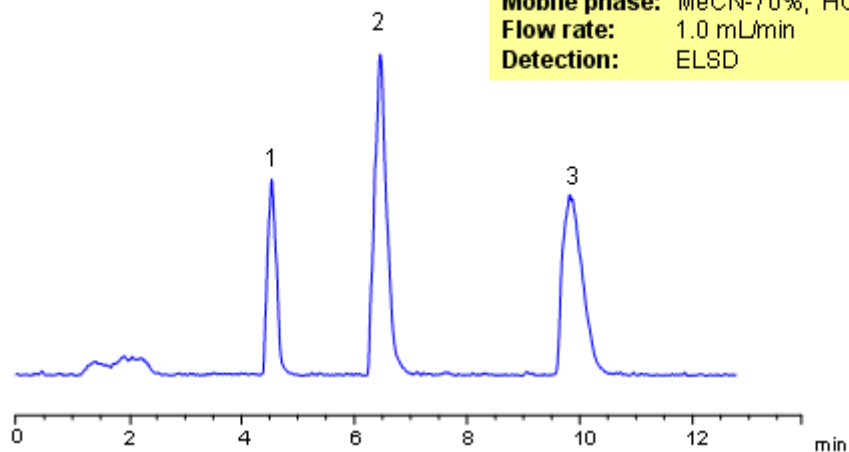
# HPLC Analysis of Fatty Acids with MS Compatible Conditions

<https://sielc.com/Application-HPLC-Analysis-of-Fatty-Acids-With-MS-Compatible-Conditions>

## Chromatogram

1. Myristic Acid
2. Palmitic Acid
3. Stearic Acid

**Column:** Primesep 100  
**Column size:** 150 x 4.6 mm  
**Mobile phase:** MeCN-70%, HCOOH-0.1%  
**Flow rate:** 1.0 mL/min  
**Detection:** ELSD



## Description

Fatty acids are carboxylic acids with a long unbranched carbon chain. They are hydrophobic compounds with different number of carbons. Most naturally occurring fatty acids have a chain of an even number of carbon atoms. Three fatty acids are separated on a Primesep 100 HPLC column by reversed-phase mechanisms. This general HPLC method and mixed-mode column can be used for separation of other fatty acids.