

# Cool Applications

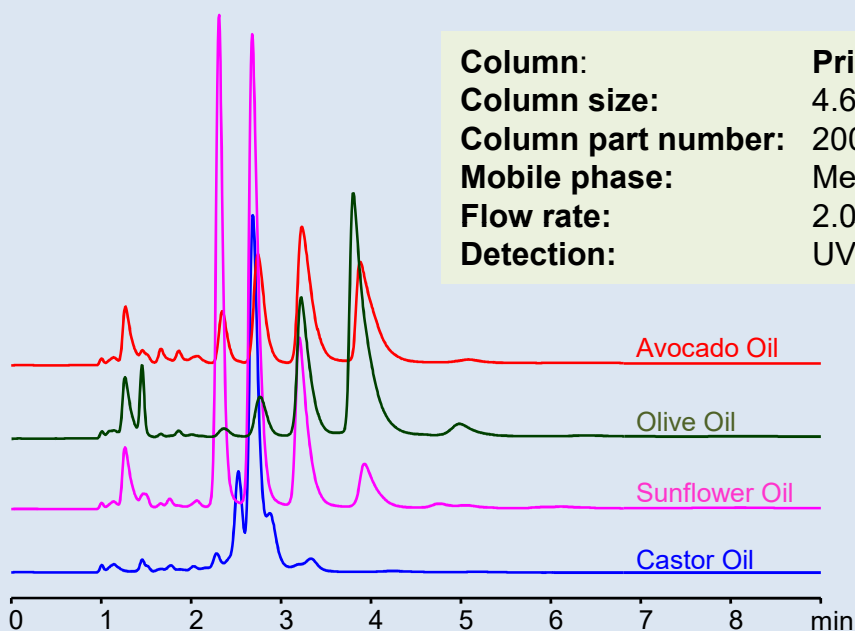
*"Making Tough LC Applications Look Cool"*

## A Simple HPLC Method for Analyzing Oils

Primesep 200, a Mixed-Mode column, offers a simple method for oil analysis using a straightforward mobile phase comprised of 100% Acetonitrile, coupled with UV detection. This short simple method enables swift and efficient assessment of oils present in diverse products and food items.



<b>Column:</b>	<b>Primesep 200</b>
<b>Column size:</b>	4.6×150 mm, 5 µm
<b>Column part number:</b>	200-4.6.150.0510
<b>Mobile phase:</b>	MeCN – 100%
<b>Flow rate:</b>	2.0 mL/min
<b>Detection:</b>	UV 200 nm



Samples of oils were prepared by dissolving 50 mg of oil in 5 ml of ethanol (EtOH), followed by dilution with 100% acetonitrile (MeCN) to reach a concentration of 1 mg/ml. Injection volume was 10 µL.

Oils, a diverse class of organic compounds predominantly comprised of triglycerides, find widespread application across various industries, serving purposes in food preparation, skincare, pharmaceuticals, and beyond. Employing High-Performance Liquid Chromatography (HPLC) for the detection and quantification of oils is paramount in ensuring quality control and evaluating product purity.

