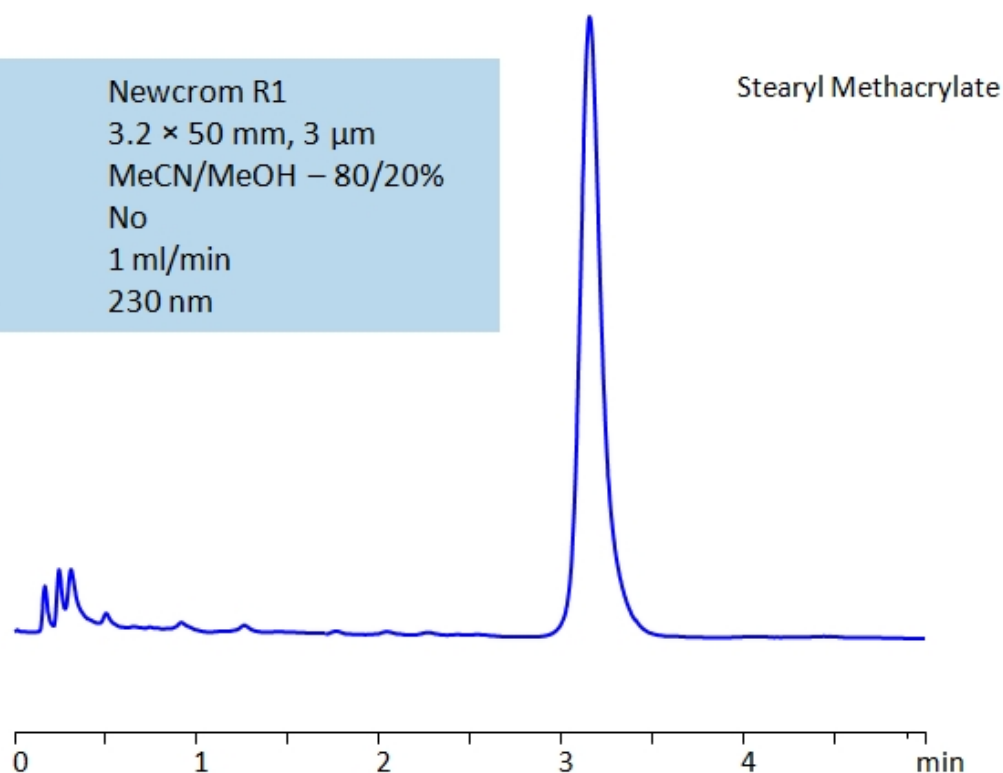


HPLC Determination of Stearyl Methacrylate on Newcrom R1 Column

<https://sielc.com/hplc-determination-of-stearyl-methacrylate>

Chromatogram

Column:	Newcrom R1
Column size:	3.2 × 50 mm, 3 µm
Mobile phase:	MeCN/MeOH – 80/20%
Buffer:	No
Flow rate:	1 ml/min
UV detection:	230 nm



Description

· High Performance Liquid Chromatography (HPLC) Method for Analysis of Stearyl methacrylate .

Stearyl methacrylate is used for manufacturing adhesives, plastics, sealants, and coatings as well as an oil additive for viscosity adjustments. It may be an irritant to skin and eyes at contact. It has the chemical formula $C_{22}H_{42}O_2$.

Stearyl methacrylate can be retained in HPLC on Newcrom R1 column using anhydrous conditions with the mobile phase consisting of methanol (MeOH) and acetonitrile (ACN) with no buffer necessary. The analysis method is MS-compatible and can also be UV detected at 230nm

Method Parameters

Mobile Phase	MeCN/MeOH – 80/20%
Buffer	No
Flow Rate	1.0 ml/min
Detection	UV 230 nm, MS-compatible mobile phase

Class of Compounds	Hydrophobic, Neutral
Analyzing Compounds	Stearyl methacrylate

HPLC Column Used

Newcrom R1, 3.2 x 50 mm, 3 µm, 100 Å, dual ended

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