

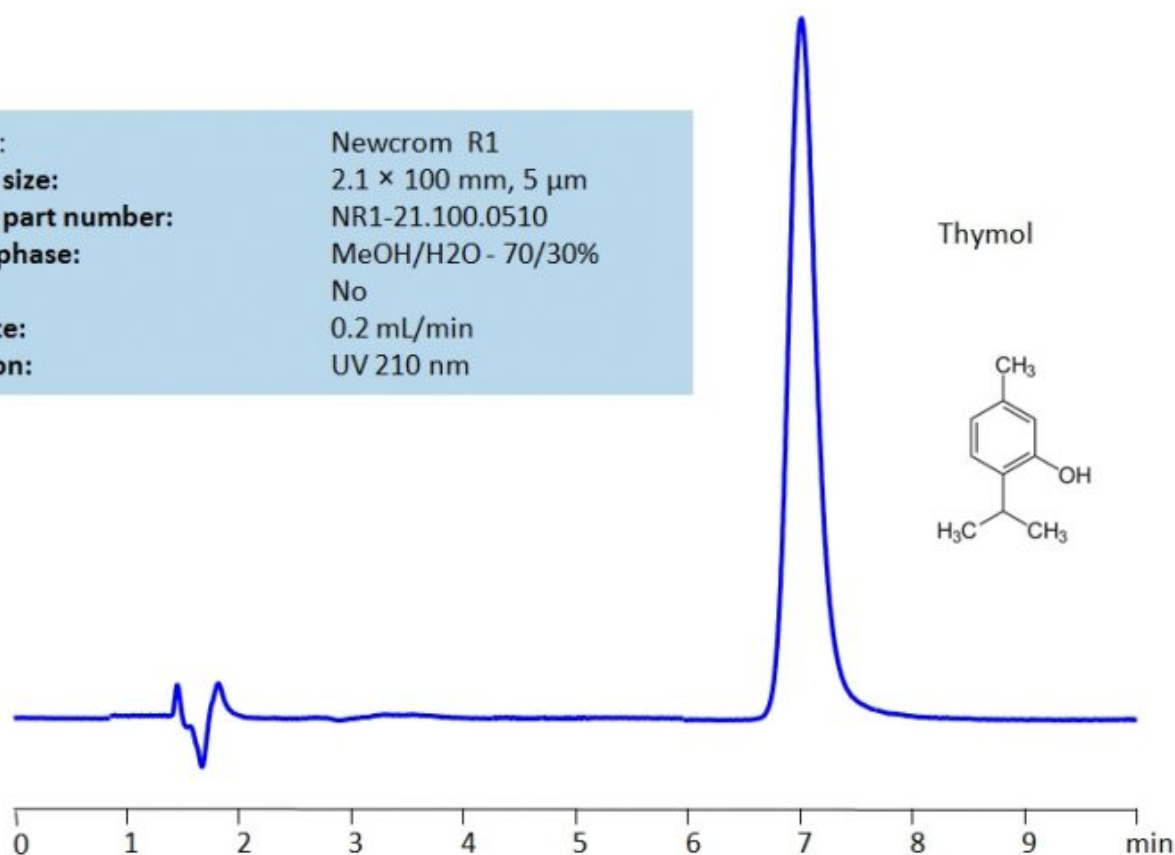
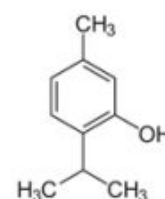
HPLC Determination of Thymol on Newcrom R1

<https://sielc.com/hplc-determination-of-thymol-on-newcrom-r1>

Chromatogram

Column: Newcrom R1
Column size: 2.1 × 100 mm, 5 µm
Column part number: NR1-21.100.0510
Mobile phase: MeOH/H₂O - 70/30%
Buffer: No
Flow rate: 0.2 mL/min
Detection: UV 210 nm

Thymol



Description

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

Thymol (2-isopropyl-5-methylphenol) is a natural monoterpene phenol derivative of p-Cymene. Thymol is the main monoterpene phenol occurring in essential oils isolated from plants such as the Thymus, Ocimum, Origanum, and other herbs with antimicrobial properties.

Thymol can be retained in HPLC using Newcrom R1 column with the simple isocratic mobile phase consisting of methanol (MeOH) and water. The analysis method can be UV detected at 210nm.

Method Parameters

Mobile Phase	MeOH – 70%
Buffer	No
Flow Rate	0.2 ml/min
Detection	UV 210 nm

Class of Compounds	Phenol, Hydrophobic
Analyzing Compounds	Thymol

HPLC Column Used

Newcrom R1, 2.1 x 100 mm, 5 µm, 100 A, dual ended

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