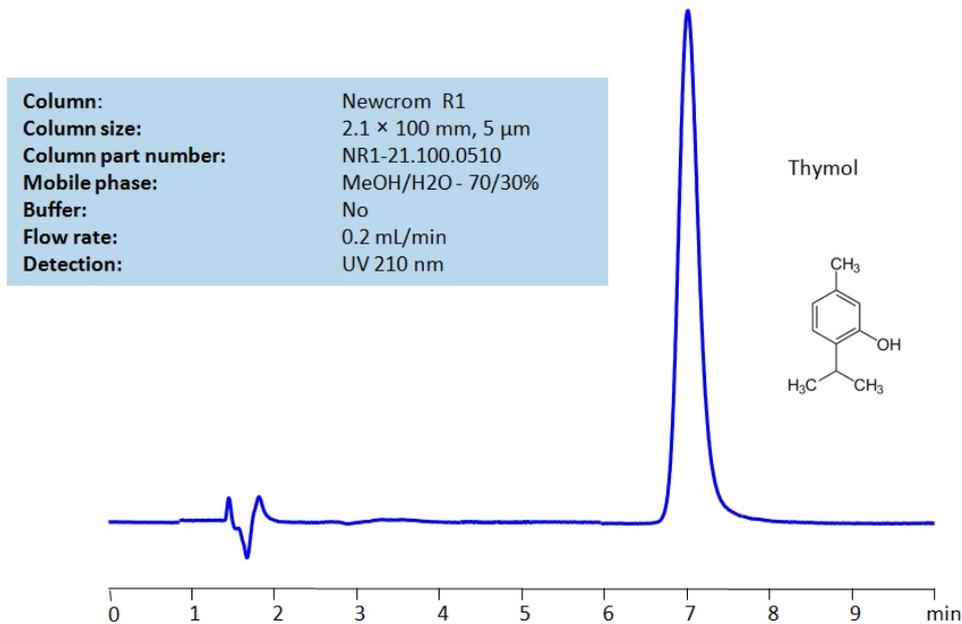


## HPLC Determination of Thymol on Newcrom R1



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 210 nm.

### Method Parameters

<b>Column</b>	Newcrom R1, 2.1 x 100 mm, 5 µm, 100 Å, dual ended
<b>Mobile Phase</b>	MeOH – 70%
<b>Buffer</b>	No
<b>Flow Rate</b>	0.2 mL/min
<b>Detection</b>	UV 210 nm

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