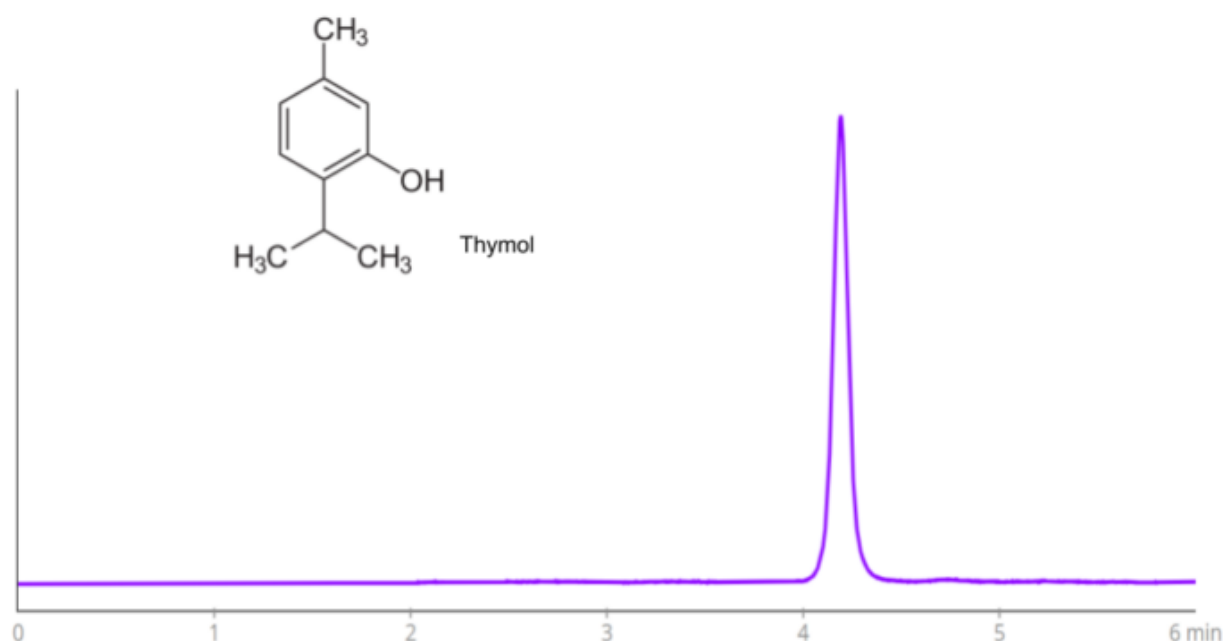


HPLC Method for Analysis of Thymol on Primesep 100 Column on Alltesta™

<https://sielc.com/hplc-method-for-analysis-of-thymol>

Chromatogram

SiELC



Column	Primesep 100
Column Size	4.6 x 150 mm, 5 µm
Part Number	100-46.150.0510
Mobile Phase	MeCN/H ₂ O - 55/45%
Buffer	H ₂ SO ₄ - 0.2%
Flow Rate	1.0 ml/min
Injection Volume	1 µL
Detection	UV 275 nm
Device	Alltesta™ Gradient Automated Analyzer

Description

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

Thymol (2-isopropyl-5-methylphenol) is a natural monoterpenoid 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 and analyzed using the Primesep 100 stationary phase column. The analysis utilizes an isocratic method with a simple mobile phase consisting of water and acetonitrile (MeCN) with phosphoric acid as a buffer. Detection is performed

using UV.

Method Parameters

Mobile Phase	MeCN – 55%
Buffer	Sulfuric Acid
Flow Rate	1.0 mL/min
Detection	UV 275 nm
Class of Compounds	Monoterpenoid phenols
Analyzing Compounds	Thymol

HPLC Column Used

Primesep 100, 4.6 x 150 mm, 5 µm, 100 A, dual ended

[Order this column at **hplc-shop.de** →](#)