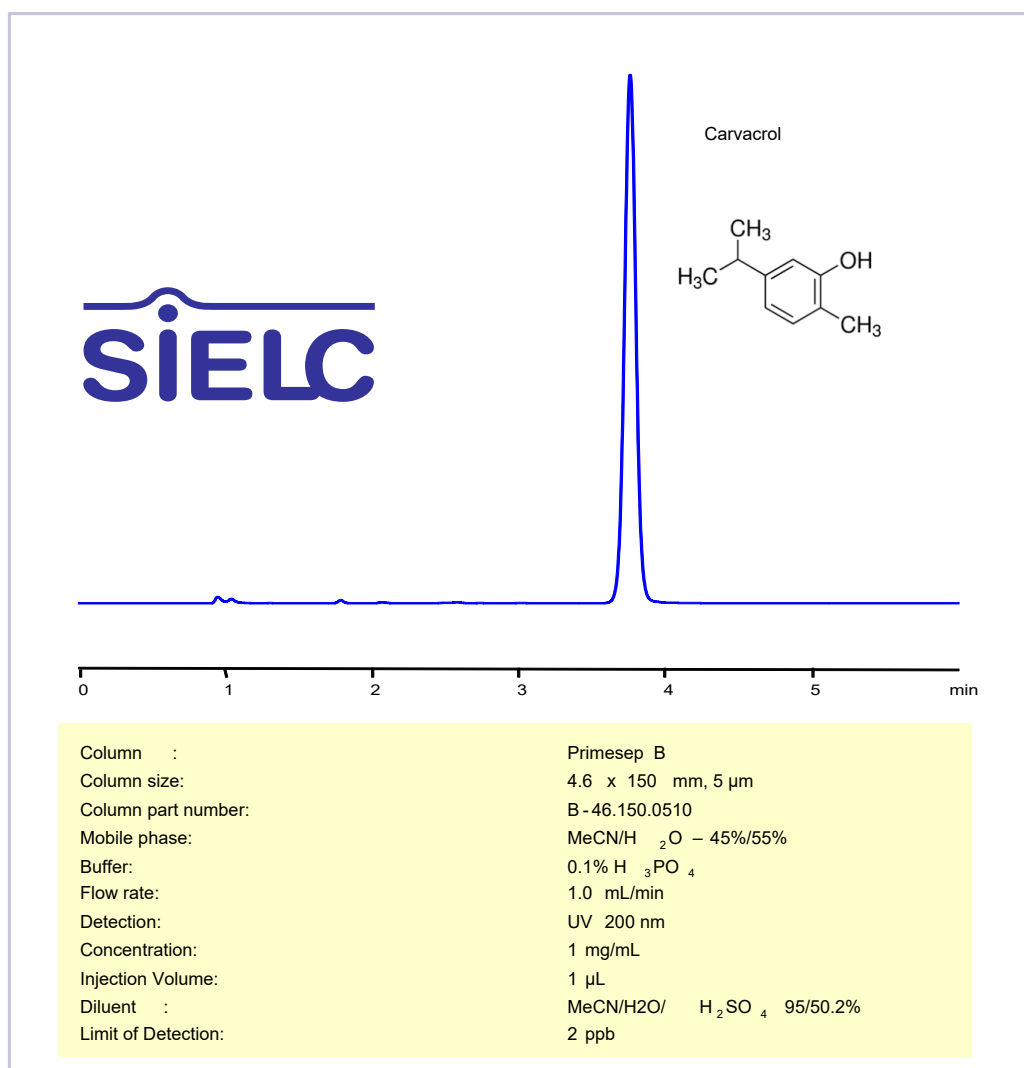


# HPLC Determination of Carvacrol on Primesep B Column

<https://sielc.com/hplc-determination-ofcarvacrol>

## Chromatogram



## Description

· Separation type: Liquid Chromatography Mixed-mode · HPLC Method for Analysis of Carvacrol on Primesep B Column · High Performance Liquid Chromatography (HPLC) Method for Analysis of Carvacrol

Carvacrol (5-Isopropyl-2-methylphenol) is the main component of the essential oils of the Lamiaceae family of plants. Thymol and carvacrol can also be applied as an alternative antimicrobial agent against antibiotic-resistant pathogenic bacteria. Carvacrol can be retained in HPLC using Primesep B column with a simple isocratic method using a mobile phase consisting of acetonitrile (MeCN), water and phosphoric acid buffer. The analysis method can be UV detected at 200 nm.

## Method Parameters

|              |                                       |
|--------------|---------------------------------------|
| Mobile Phase | MeCN/H <sub>2</sub> O – 45/55%        |
| Buffer       | H <sub>3</sub> PO <sub>4</sub> – 0.1% |
| Flow Rate    | 0.5 ml/min                            |

|                     |                     |
|---------------------|---------------------|
| Detection           | 200 nm              |
| Class of Compounds  | Phenol, Hydrophobic |
| Analyzing Compounds | Carvacrol           |

#### HPLC Column Used

[Model]