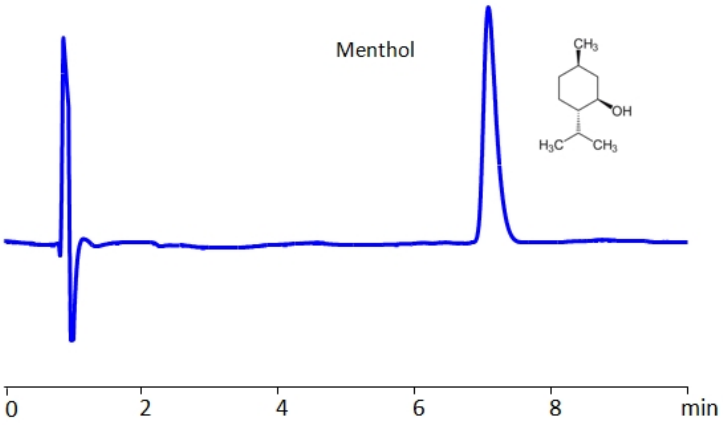
HPLC Determination of Menthol on Newcrom R1 Column



Column:	Newcrom R1
Column size:	3.2 × 100 mm, 3 µm
Mobile phase:	MeCN/H2O – 50/50%
Buffer:	No
Flow rate:	0.5 ml/min
Detection:	RI

Menthol is a naturally occurring chemical found in mint plants. It is known for it's cooling effect and is often used in candy, gum, and medicine. Besides flavor, it also has pain relieving properties It has the the chemical formula C10H20O .

Menthol can be retained and analyzed using the Newcrom R1 stationary phase column. The analysis utilizes an isocratic method with a simple mobile phase consisting of water and acetonitrile (MeCN) without a buffer. Detection is performed using RI.

Method Parameters

Column	Newcrom R1, 3.2 x 100 mm, 3 µm, 100 Å, dual ended
Mobile Phase	MeCN/H2O – 50/50%
Buffer	No
Flow Rate	0.5 mL/min
Detection	RI

Quelle: https://sielc.com/hplc-determination-of-menthol-on-newcrom-r1-column