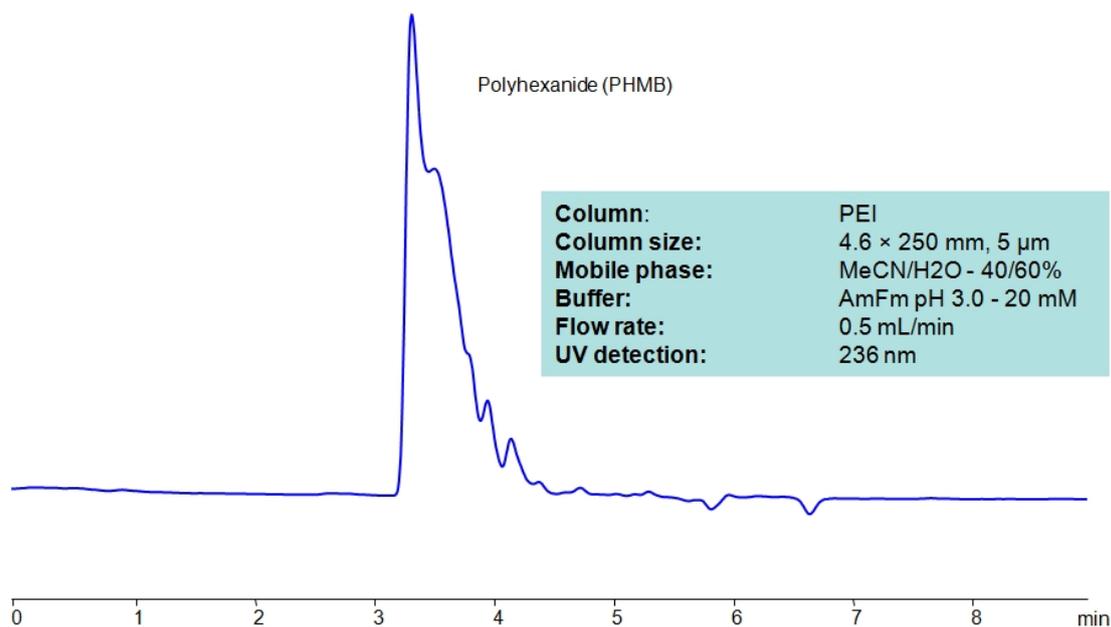


## HPLC Determination of Polyhexanide (PHMB) on PEI Column



### High Performance Liquid Chromatography (HPLC) Method for Analysis of Polyhexanide PHMB

Polyhexanide (polyhexamethylene biguanide, PHMB) is a polymer used as a disinfectant and antiseptic. We estimated that limit of detection is about 2 ppm for this compounds with this method.

The peak of polyhexanide fractionated on several peaks due to difference in length of the polymer components.

### Method Parameters

<b>Column</b>	PEI, 4.6 x 250 mm, 5 µm, 100 Å, dual ended
<b>Mobile Phase</b>	MeCN/H <sub>2</sub> O – 40/60%
<b>Buffer</b>	AmFm pH 3.0- 20 mM
<b>Flow Rate</b>	0.5 mL/min
<b>Detection</b>	UV, 236 nm

Quelle: <https://sielc.com/hplc-determenation-of-polyhexanide-phmb>