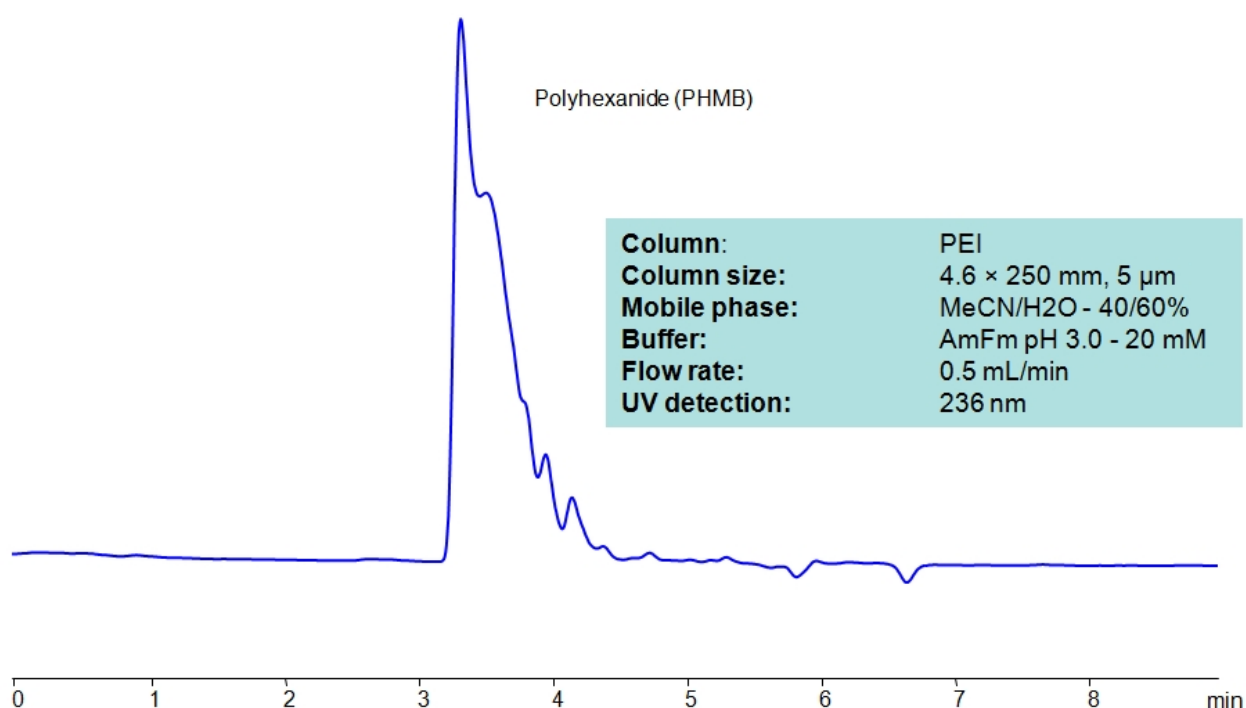


HPLC Determination of Polyhexanide (PHMB) on PEI Column

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

Chromatogram



Description

· 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

Mobile Phase	MeCN/H ₂ O – 40/60%
Buffer	AmFm pH 3.0- 20 mM
Flow Rate	0.5 ml/min
Detection	UV, 236 nm
Class of Compounds	Polymer, Hydrophilic, Ionizable, Antiseptic, Disinfectant
Analyzing Compounds	Polyhexanide PHMB

HPLC Column Used

PEI, 4.6 x 250 mm, 5 µm, 100 Å, dual ended

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