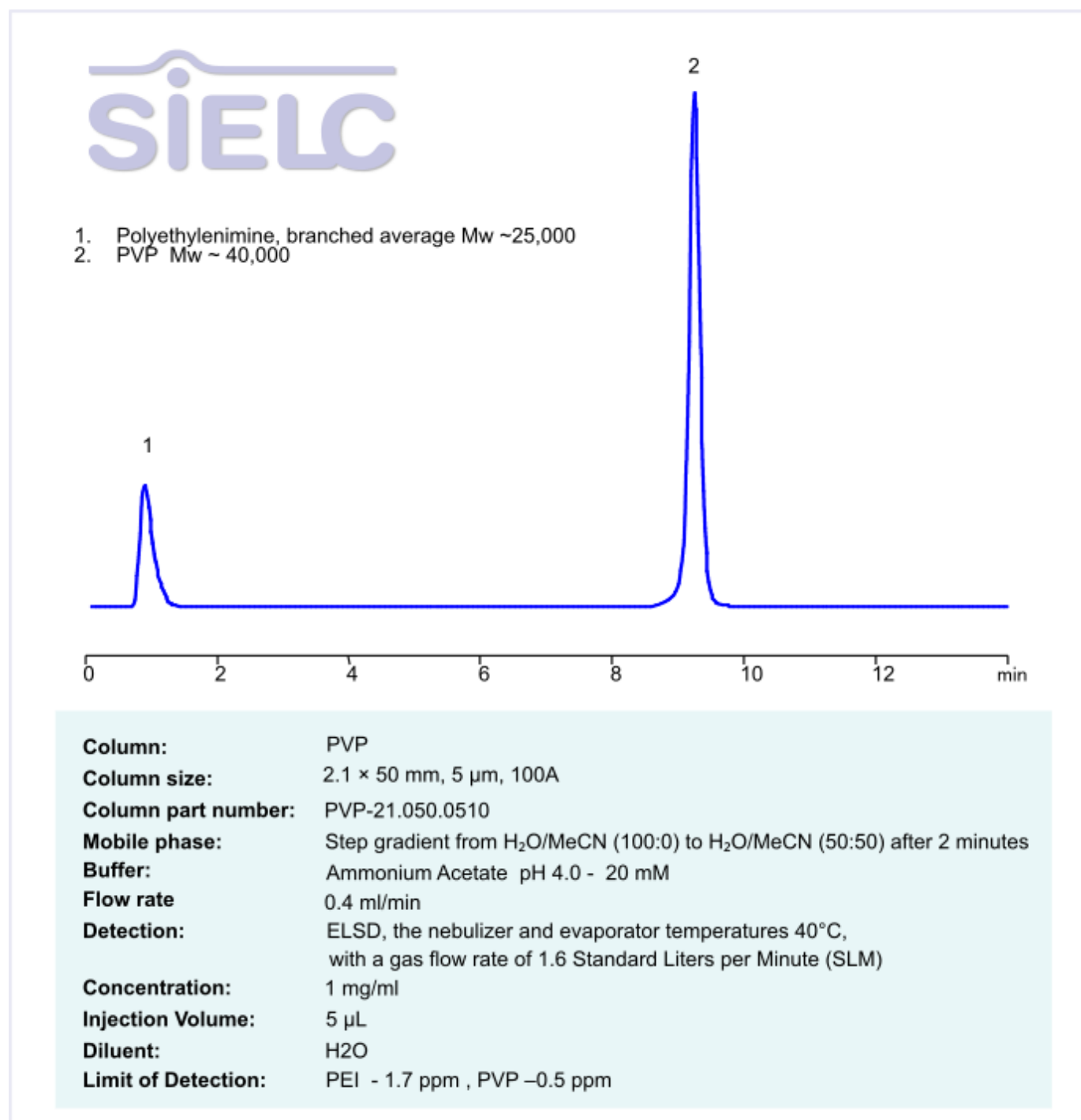


HPLC Method for Separation PEI and PVP on PVP Column

<https://sielc.com/hplc-method-pvp-pe1>

Chromatogram



Description

High Performance Liquid Chromatography (HPLC) Method for Analysis of Polyvinylpyrrolidone(PVP) , Polyethylenimine PEI

Polyvinylpyrrolidone(PVP) , Polyethylenimine PEI can be retained and analyzed using the PVP column. The analysis utilizes an step gradient method with a simple mobile phase consisting of water, acetonitrile (MeCN), and ammonium acetate. Detection is performed using ELSD.

Method Parameters

Mobile Phase	Step gradient MeCN/H ₂ O
Buffer	Ammonium Acetate pH 4.0 – 20 mM
Flow Rate	0.2 ml/min
Detection	ELSD
LOD	PVP 0.5 ppm, PEI 1.7 ppm
Class of Compounds	Polymer
Analyzing Compounds	Polyvinylpyrrolidone(PVP),Polyethylenimine PEI

HPLC Column Used

PVP, 2.1 x 50 mm, 5 µm, 100 Å, dual ended

[Order this column at hplc-shop.de →](http://hplc-shop.de)