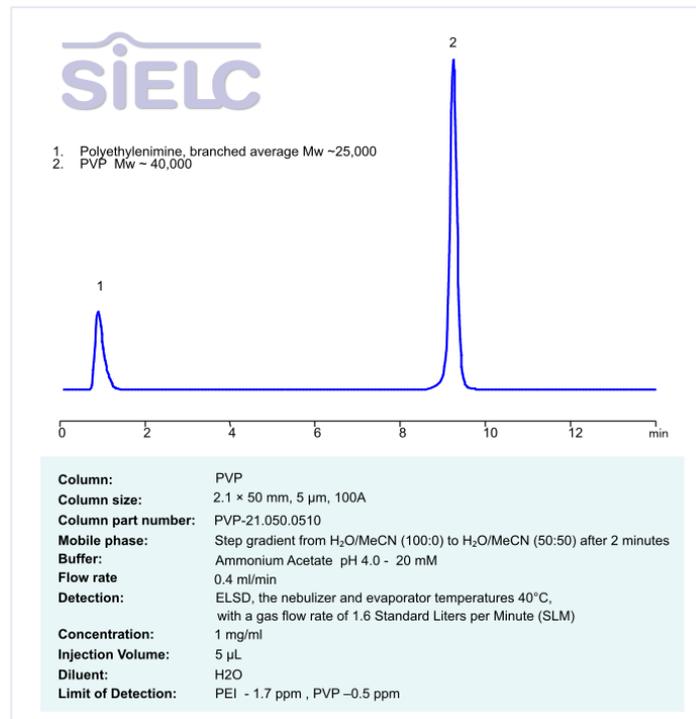


HPLC Method for Separation PEI and PVP on PVP Column



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

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.

*LOD was determined for this combination of instrument, method, and analyte, and it can vary from one laboratory to another even when the same general type of analysis is being performed.

Method Parameters

Column	PVP, 2.1 x 50 mm, 5 µm, 100 Å, dual ended
Mobile Phase	Step gradient MeCN/H ₂ O
Buffer	Ammonium Acetate pH 4.0 – 20 mM
Flow Rate	0.2 mL/min
Detection	ELSD
Limit of Detection	PVP0.5 ppm, PEI1.7 ppm

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