

Product Profile

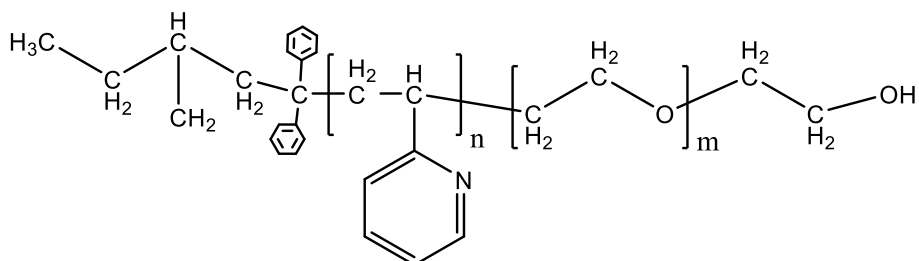
Identification

Product Name: Poly(2-vinylpyridine-b-Ethylene Oxide)

Electronic grade

Product Lot Number: P45241P-2VPEO

Product Chemical Architecture:



Composition:

Mn x 10 ³	Mw/Mn (PDI)	-OH functionality (+99%)
1.4-b-3.0	1.02	T _g of P2VP-OH (91 °C)

Solubility in different solvents

THF	✓		
CHCl ₃	✓	CHCl ₃	✓
Toluene-Hot	✓		

Purification of Polymer : Removal of free initiator by Soxhlet in hexane.

Validation of Architecture:

A. Gel Permeation Chromatography (GPC), SEC- Profile

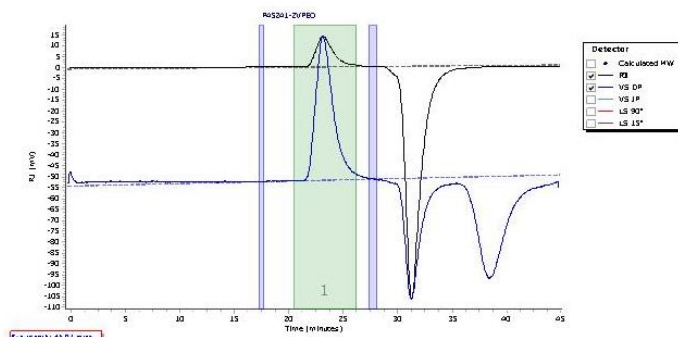
Agilent GPC/SEC Software



Agilent Technologies

P45241-2VPEO

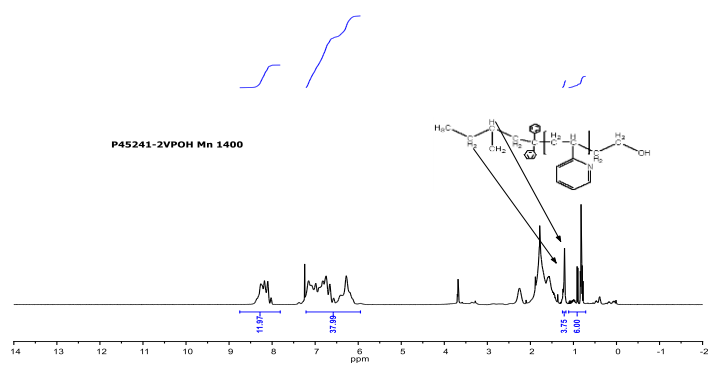
Chromatogram Plot



Molecular Weight Averages

Peak	Mp (g/mol)	Mn (g/mol)	Mw (g/mol)	Mz (g/mol)	Mz+1 (g/mol)	Mv (g/mol)	PD
Peak 1	4827	4634	4670	4704	4737	4700	1.008

B. HNMR spectrum of P2VPOH:



P2VPEO

