

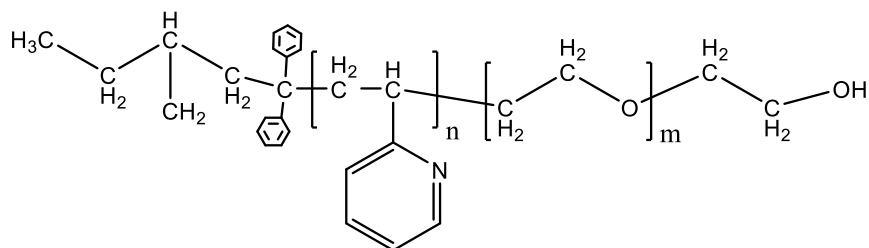
Product Profile

Identification

Product Name: Poly(2-vinyl pyridine)-b-poly(ethylene oxide)

Product Lot Number: P45236A-2VPEO

Product Chemical Architecture:



Composition:

$M_n \times 10^3$	Mw/Mn (PDI)	-OH functionality (+99%)
2.5-b-1.2	1.06	T _g of P2VP-OH (91 °C)

Solubility in different solvents

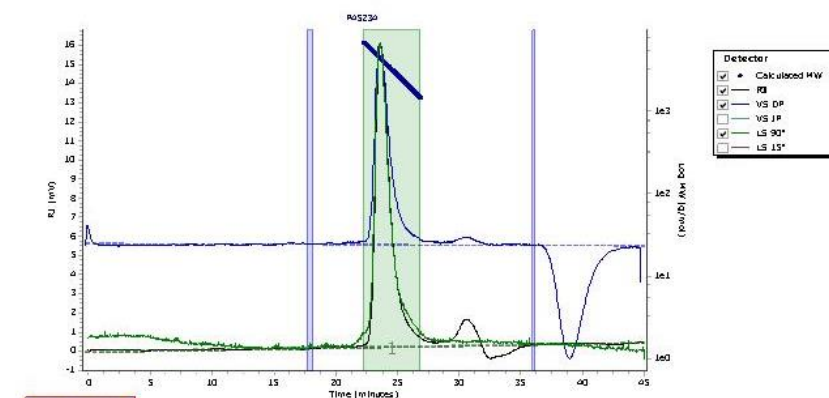
THF	✓		
CHCl ₃	✓	CHCl ₃	✓
Toluene-Hot	✓		

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

Validation of Architecture:

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

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	4405	3674	3921	4119	4281	4067	1.067

B. ^1H -NMR spectrum of 2VP-EO diblock copolymer:

