

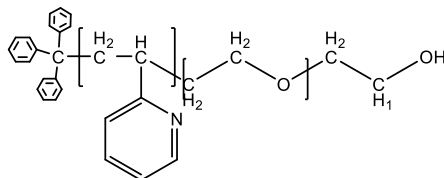
# Product Profile

## Identification

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

**Product Lot Number:** P45228F5-2VPEO

**Product Chemical Architecture:**



**Composition:**

Mn x 10 <sup>3</sup>	Mw/Mn (PDI)	-OH functionality (+99%)
3.0-b-5.0	1.10	T <sub>g</sub> of P2VP-OH (91 °C)

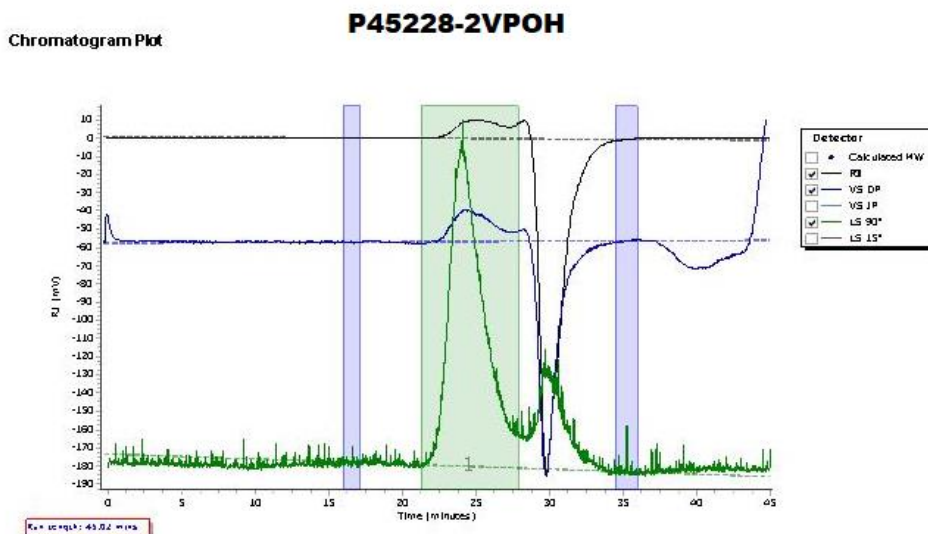
**Solubility in different solvents**

THF	√		
CHCl <sub>3</sub>	√	CHCl <sub>3</sub>	√
Toluene-Hot	√		

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

## Validation of Architecture:

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

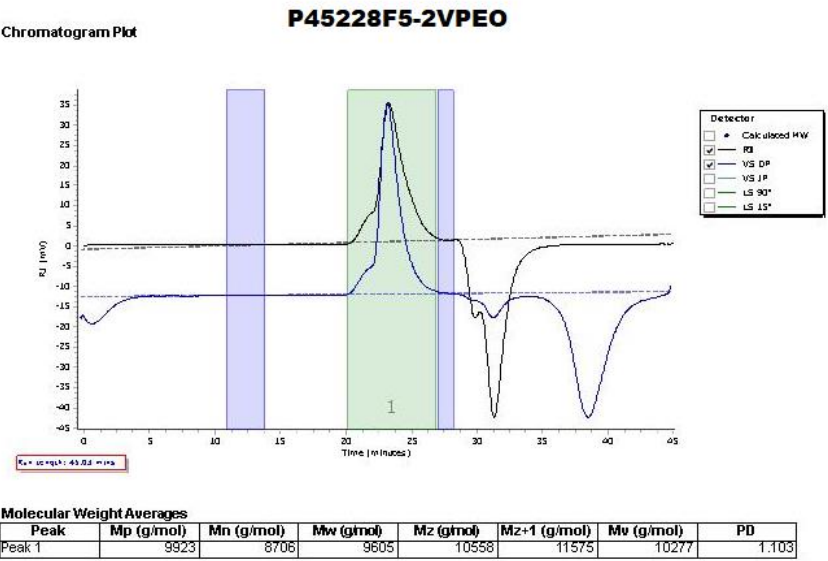


**Molecular Weight Averages**

Peak	Mp (g/mol)	Mn (g/mol)	Mw (g/mol)	Mz (g/mol)	Mz+1 (g/mol)	Mv (g/mol)	PD
Peak 1	4356	3105	4502	6437	8872	5886	1.45

**B.**

**P2VPEO**



**C. H NMR spectrum of P2VPEO:**

