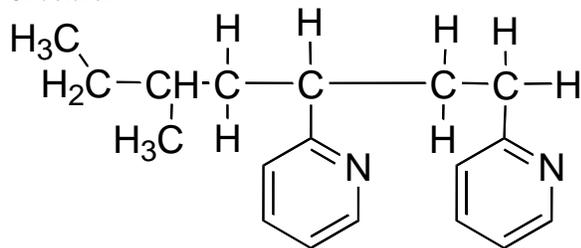


**Sample Name: Poly 2Vinyl pyridine  
Oligomer**

**Sample #:** P9389B- 2VP dimer

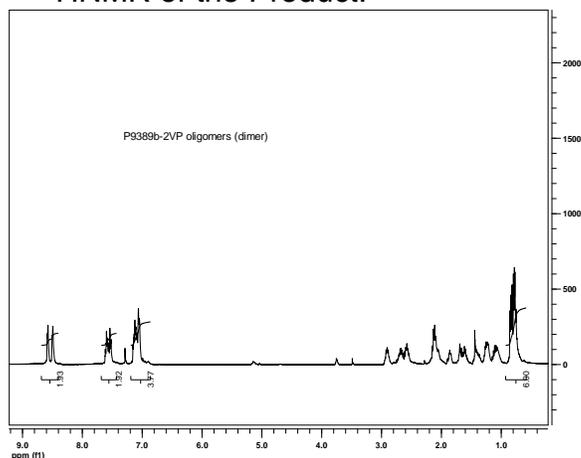
**Structure:**



**Composition:**

Mn x 10 <sup>3</sup>	PDI
0.268	1.05

**HNMR of the Product:**



**Synthesis Procedure:**

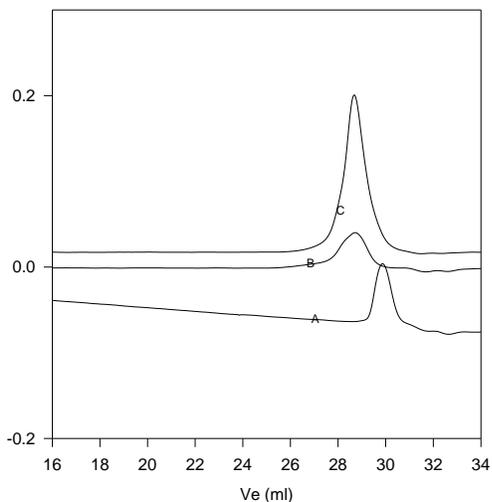
Oligomers of 2 vinyl pyridine are obtained by living anionic polymerization of styrene followed by separation by column chromatography.

**Characterization:**

The molecular weight and polydispersity index (PDI) are obtained by size exclusion chromatography (SEC) in THF. SEC analysis was performed on a Varian liquid chromatograph equipped with refractive and UV light scattering detectors. Three SEC columns from Supelco (G6000-4000-2000 HXL) were used with triple detectors from Viscotek Co. <sup>1</sup>H-NMR spectroscopy by comparing the peak area of the aromatic and terminal methyl groups coming from cumyl methyl ether potassium salt use as initiator.

**SEC of oligomers**

**P9389- 2VP oligomers**



Size Exclusion Chromatography of Poly 2-Vinyl pyridine oligomers

Dp of 2VP monomer is : Dimer, tetramer and Pentamers