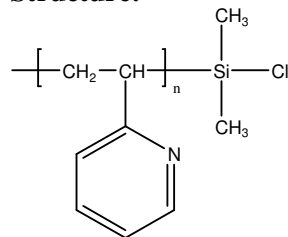


Sample Name:

**Dimethyl Chlorosilane Terminated
Poly 2 vinyl pyridine**

Sample #: P5314-2VPSiCl

Structure:

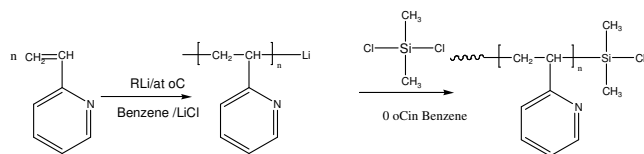


Composition:

$M_n \times 10^3$	PDI
7.5	1.25

Synthesis Procedure:

Dimethyl Chlorosilane Terminated Poly(2-vinylpyridine) was prepared by anionic living polymerization of 2VP in benzene in presence of LiCl and termination with a large excess of dimethyl dichlorosilane. The scheme of the reaction is illustrated below:

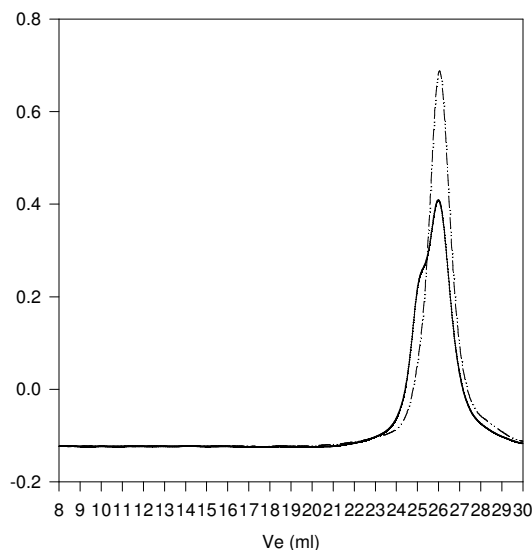


Characterization:

The molecular weight and polydispersity index of this polymer were determined before functionalization with chlorosilane by size exclusion chromatography (SEC) using a Varian liquid chromatograph equipped with a UV and refractive index detector.

SEC elugram of the polymer:

P5314-2VPSiCl



Size exclusion chromatography of poly(2-vinylpyridine) terminated with dimethyl chlorosilane before and after termination with dimethyl dichlorosilane:

—..... $M_n=7500$, $M_w=9500$ $PI=1.25$

—..... After termination with dimethyl dichlorosilane