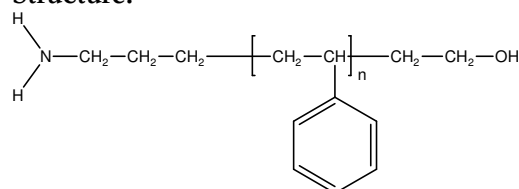


Sample Name: **α -Amino ω -hydroxy Terminated**

Polystyrene

Sample #: **P19118-NH2SOH**

Structure:

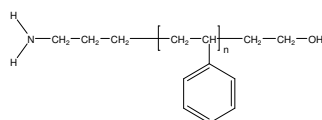
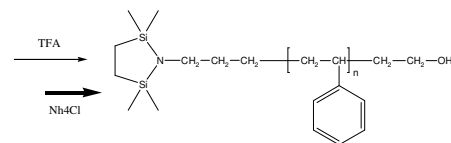
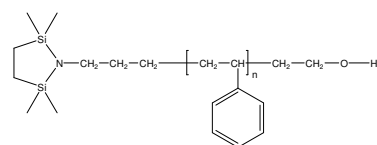
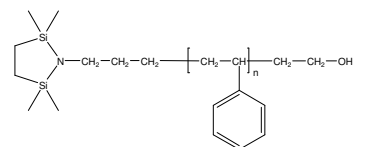
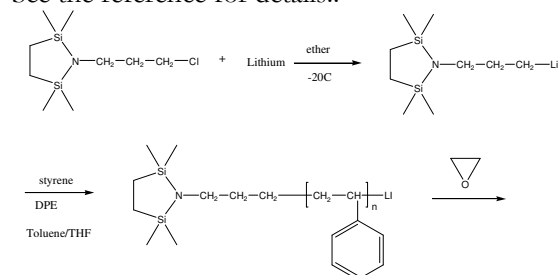


Composition:

Mn x 10 ³	PDI
10.5	1.3

Synthesis Procedure:

See the reference for details.:



Characterization:

The molecular weight and polydispersity index of this polymer were determined by size exclusion chromatography (SEC).

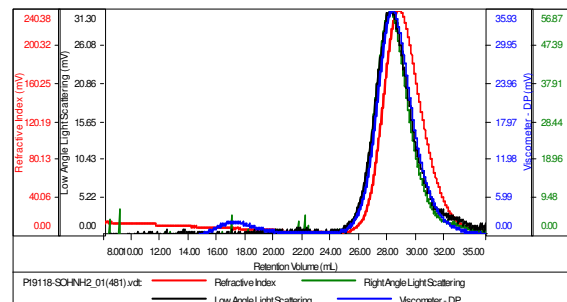
Solubility:

Polymer is soluble in THF, CHCl₃, Toluene, dioxane and precipitated out from methanol/water or in cold hexane.

SEC of Sample:

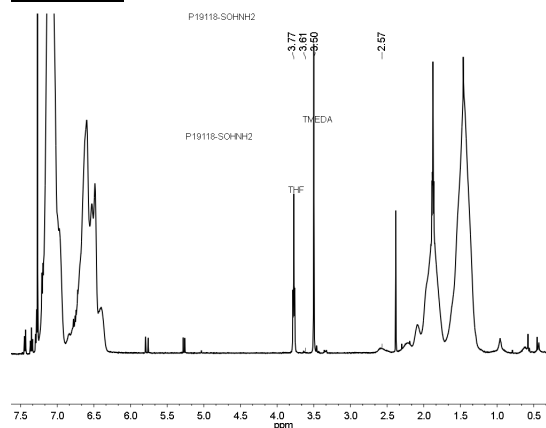
Sample ID: **P19118-SCHN2**

Concentration (mg/mL)	7.5839
Sample ch/d: (mL/g)	0.1850
Method File	PS80K-Feb26-2015-0000.vcm
Column Set	3x PL 1113-6300
Solvent	THF



Sample	MW Number Average (Da)	MW Weight Average (Da)	MW at Peak (Da)	Polydispersity	Intrinsic Viscosity (dL/g)
P19118-SCHN2_01(481).vdt	10,505	13,600	13,148	1.295	0.2953

H NMR:



References for further information:

1. Varshney, S. K.; Song, Z.; Zhang, Jian-Xin.; Jerome, Robert. Rapid Communication; J. Polym. Sci. Part A, 2006, 44, 3400.
2. S. K. Varshney, Ph. Bayard, C. Jacobs, R. Jerome, R. Fayt and Ph. Teyssie "Anionic Polymerization of Meth(acrylic) Monomers-8; Synthesis and Characterization of (Meth)acrylic end-functionalized Polymers: Macromonomers and Telechelics" CA 117, 18, 172243. Macromolecules, 1992, 25, 5578-5584.