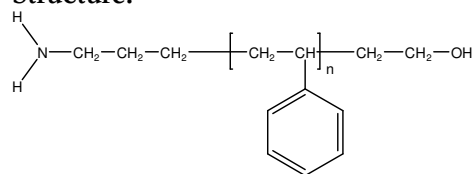


Sample Name: α -Amino ω -hydroxy Terminated
Polystyrene
Sample #: P19119-NH2SOH

Structure:

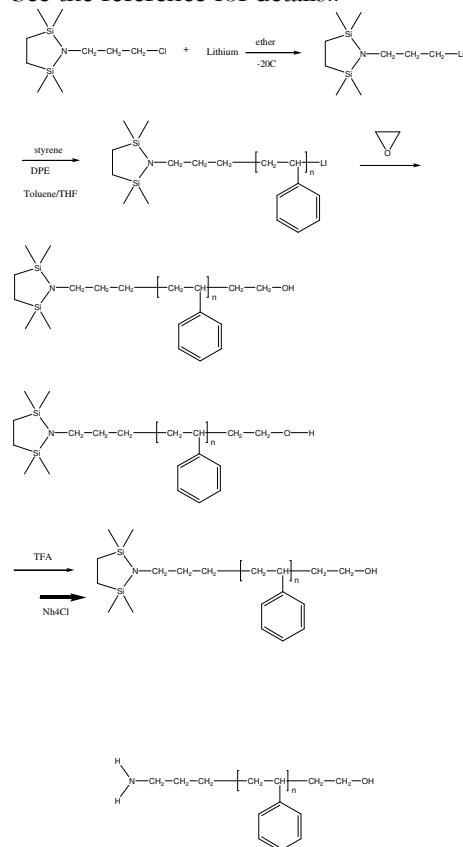


Composition:

Mn x 10 ³	PDI
11.0	1.65

Synthesis Procedure:

See the reference for details.:



Characterization:

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

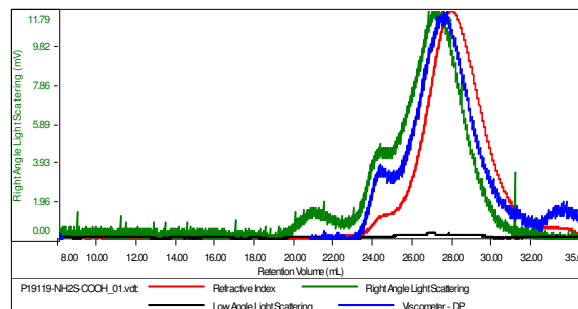
Solubility:

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

SEC of Sample:

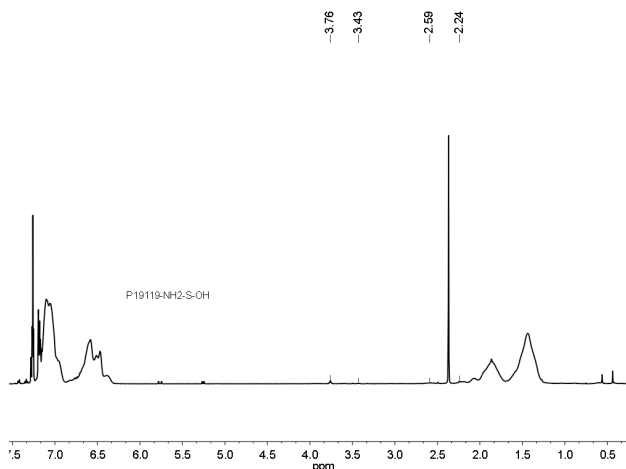
Sample ID: P19119-NH2SOOH

Concentration (mg/mL)	4.7217
Sample concn (mL/g)	0.1850
Method File	PS80K-March6-2015-0000.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)
P19119-NH2SOOH_01.vdt	11,010	18,293	16,018	1.661	0.1036

H NMR:



References for further information:

- Varshney, S. K.; Song, Z.; Zhang, Jian-Xin.; Jerome, Robert. Rapid Communication; J. Polym. Sci. Part A, 2006, 44, 3400.
- 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.