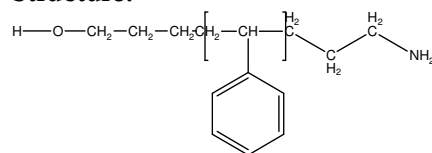


Sample Name:  $\alpha$ -Amino  $\omega$ -hydroxy Terminated  
Polystyrene  
Sample #: P19189-NH2SOH

#### Structure:



#### Composition:

Mn x 10 <sup>3</sup>	PDI
5.5	1.13

#### Synthesis Procedure:

See the reference for details.:

#### Characterization:

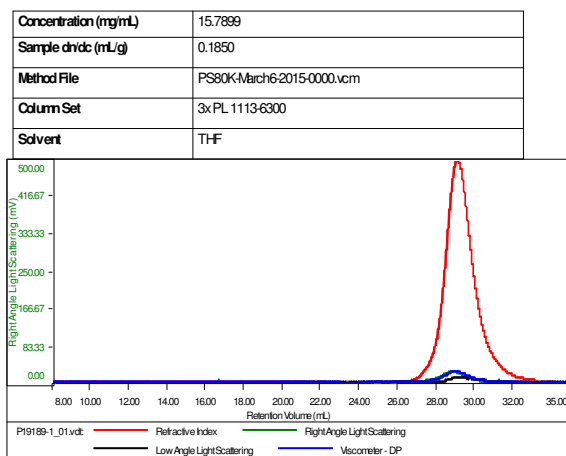
The molecular weight and polydispersity index of this polymer were determined by size exclusion chromatography (SEC).

#### Solubility:

Polymer is soluble in THF, CHCl<sub>3</sub>, Toluene, dioxane and precipitated out from methanol/water or in cold hexane.

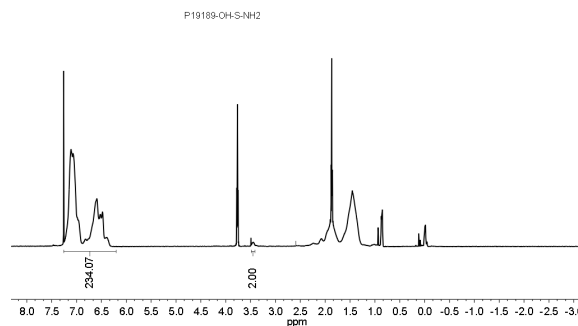
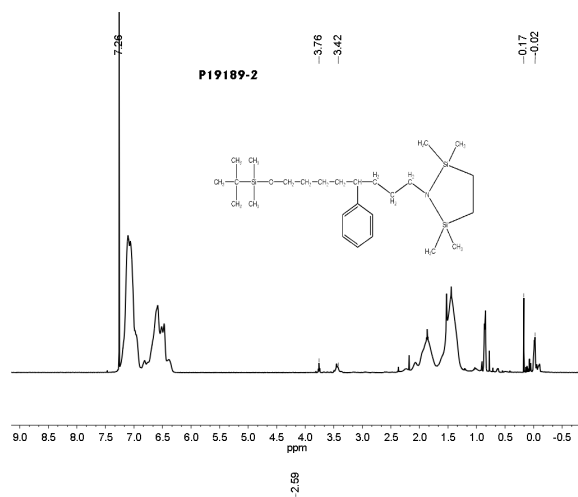
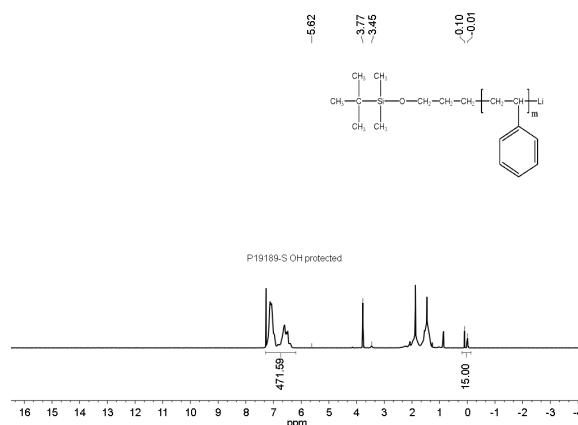
#### SEC of Sample:

Sample ID: P19189-OH-S-NH2



Sample	MW Number Average (Da)	MW Weight Average (Da)	MW at Peak (Da)	Polydispersity	Intrinsic Viscosity (dL/g)
P19189-1_01.vdt	5,320	5,989	5,660	1.126	0.0590

#### 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.