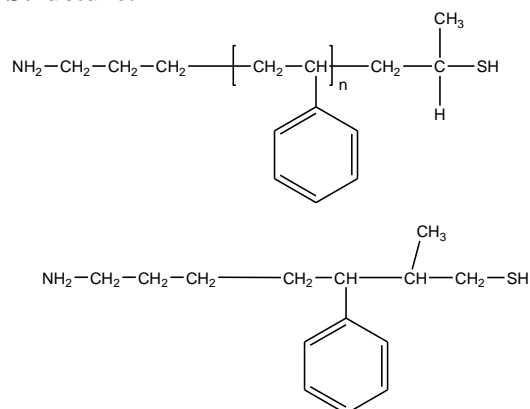


**Sample Name:**  
 **$\alpha$ -Amino  $\omega$ -Thiol Terminated Polystyrene**

**Sample #:** P41368-NH2SSH

**Structure:**



**Composition:**

Mn x 10 <sup>3</sup>	PDI
9.0	1.3

**Synthesis Procedure:**

See the reference for details.

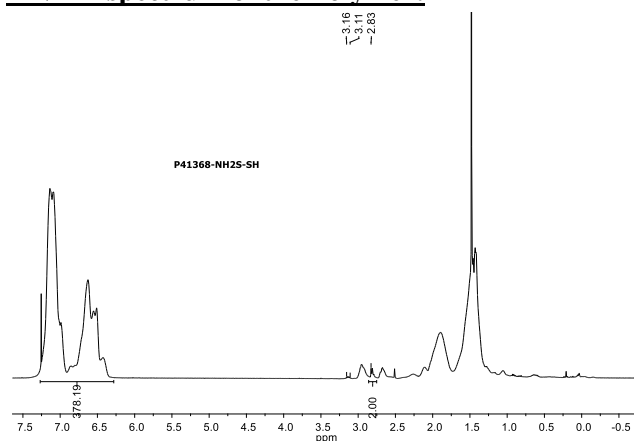
**Characterization:**

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

**Solubility:**

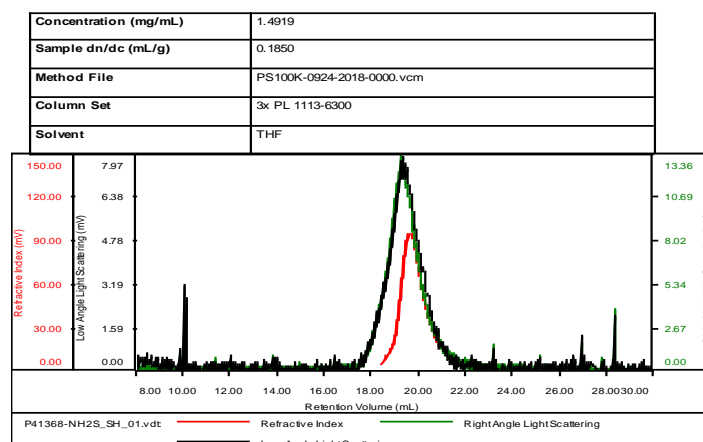
Polymer is soluble in THF, CHCl<sub>3</sub>, Toluene, dioxan and precipitated out from methanol/water or in cold hexane.

**HNMR spectrum of the Polymer:**



**SEC elugram of the Sample:**

**P41368-NH2S-SH**



Sample	Mn (Da)	Mw (Da)	Mw/Mn	IV (dL/g)	Mp (Da)
P41368-NH2S-SH	8,845	11,446	1.294	0.9949	7,850

**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.