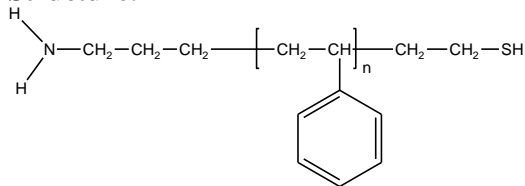


Sample Name:

**$\alpha$ -Amino  $\omega$ -Thiol Terminated Polystyrene**

Sample #: **P4037-NH2SSH**

**Structure:**



**Composition:**

$M_n \times 10^3$	PDI
37.5	1.6

**Synthesis Procedure:**

See the reference for details.

**Characterization:**

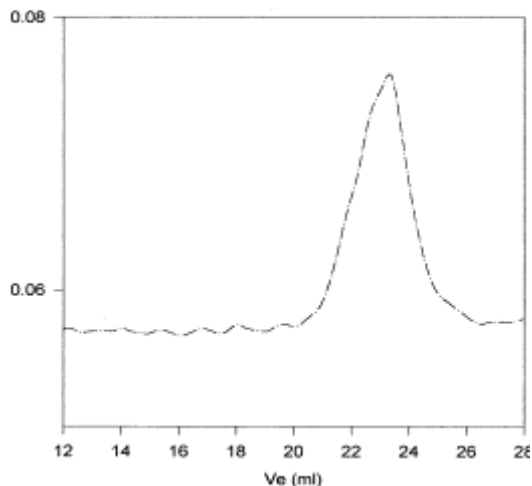
The molecular weight and polydispersity index of this polymer were determined by size exclusion chromatography (SEC).

**Solubility:**

Polymer is soluble in THF,  $\text{CHCl}_3$ , Toluene, dioxan and precipitated out from methanol/water or in cold hexane.

**SEC of Sample:**

**P4037-SNH2SH**  
**(NH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>-PS<sub>t</sub>-CH<sub>2</sub>CH<sub>2</sub>SCH<sub>2</sub>CH<sub>2</sub>SH)**



Size exclusion chromatograph of  
 $\alpha$ -amino  $\omega$ -thiol terminated polystyrene:  
—  $M_n=37500$   $M_w=62000$   $PI=1.6$

**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.