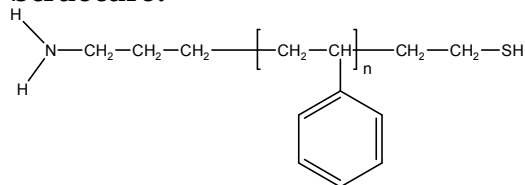


Sample Name:

α -Amino ω -Thiol Terminated Polystyrene

Sample #: **P4043-NH2SSH**

Structure:



Composition:

Mn x 10 ³	PDI
30.5	1.8

Synthesis Procedure:

See the reference for details.

Characterization:

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

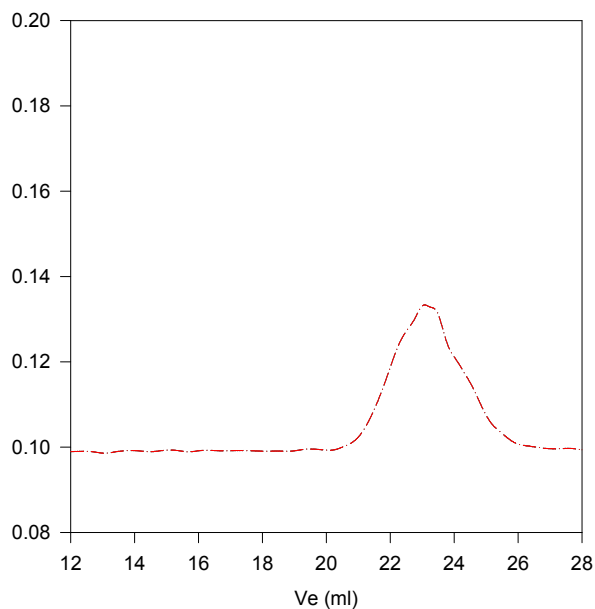
Solubility:

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

SEC of Sample:

P4043-SNH2SH

(NH₂CH₂CH₂CH₂-PSt-CH₂CH₂SCH₂CH₂SH)



Size exclusion chromatograph of
 α -amino ω -thiol terminated polystyrene:

----- M_n=30500 M_w=55000 PI=1.8

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.