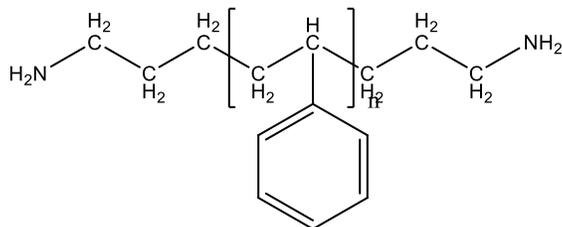


Sample Name:

**Poly(styrene),  $\alpha,\omega$ -bis(amino)-terminated**

Sample #: **P43356A-S2NH2**

**Structure:**

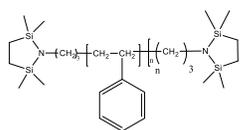
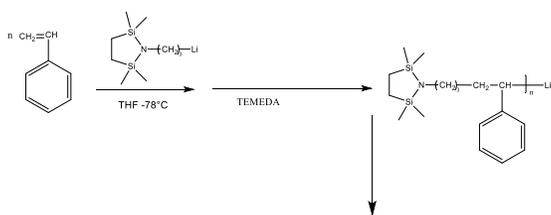


**Composition:**

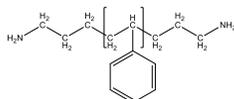
$M_n \times 10^3$	PDI
8.0	1.09

**Synthesis Procedure:**

$\alpha,\omega$ -bis terminated polystyrene was synthesized by anionic living polymerization. The following reaction scheme shows how the product was prepared:



H+ CH3OH

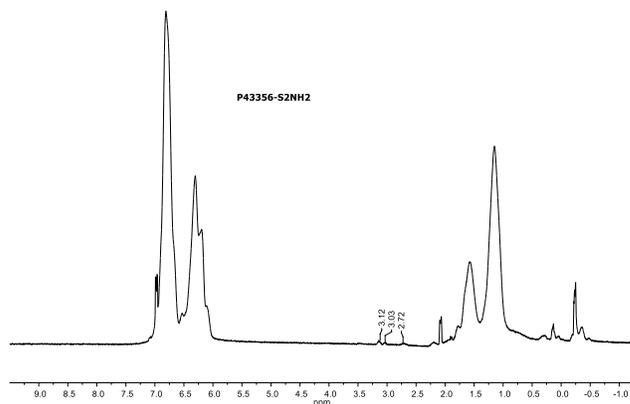


**Characterization:**

The product was characterized by size exclusion chromatography (SEC) and  $^1\text{H}$  NMR data analysis.

**Solubility:** Polymer is soluble in THF,  $\text{CHCl}_3$  toluene and precipitated out from methanol and hexane.

**$^1\text{H}$  NMR spectrum of the Sample:**



**SEC elugram of the Sample:**

