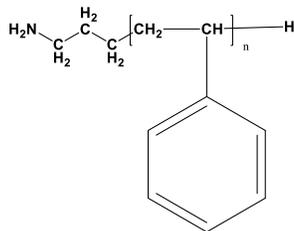


**Sample Name:**  
**Amino Terminated Polystyrene**

**Sample #:** P44251-SNH2

**Structure:**

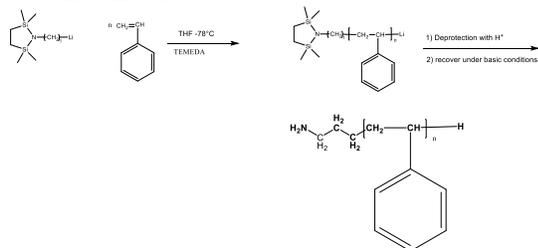


**Composition:**

$M_n \times 10^3$	PDI
73.0	1.4
$T_g$ (°C) 102	

**Synthesis Procedure:**

$\omega$ -amino terminated polystyrene was synthesized by anionic living polymerization with different end-grouping strategies. The reaction schemes are shown below:



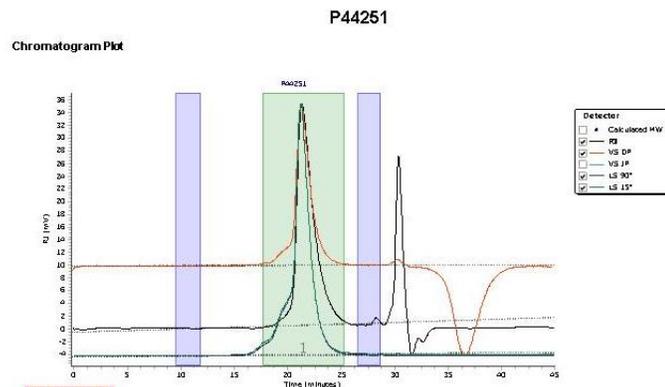
**Characterization:**

The product was characterized by size exclusion chromatography (SEC).

**Solubility:**

Polymer is soluble in THF, CHCl<sub>3</sub> toluene. It precipitated out from methanol and hexane.

**SEC elugram of the Sample:**



Molecular Weight Averages

Peak	Mp (g/mol)	Mn (g/mol)	Mw (g/mol)	Mz (g/mol)	Mz-1 (g/mol)	Mu (g/mol)	PD
Peak 1	120277	72981	103868	139423	192883	131511	1.423