



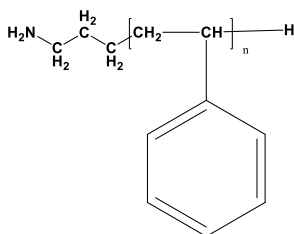
Product Profile

Identification

Product Name: Amino Terminated Polystyrene

Product Lot Number: P45006H-SNH2

Chemical Architecture:

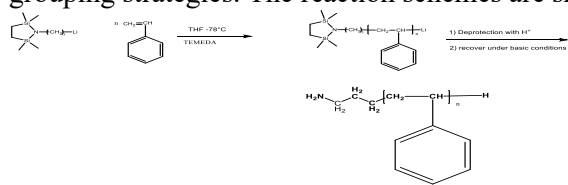


Composition:

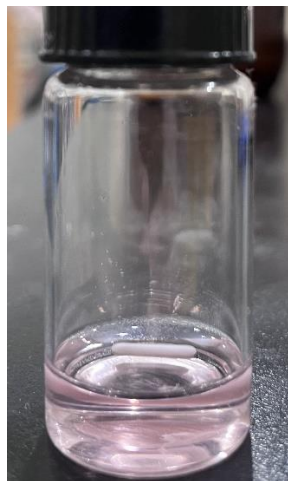
Mn (g/mole)	510,000
Mw (g/mole)	557,000
Mw/Mn	1.09
Tg	102 °C

Method of Synthesis

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



Ninhydrin test: Pass- Blue color



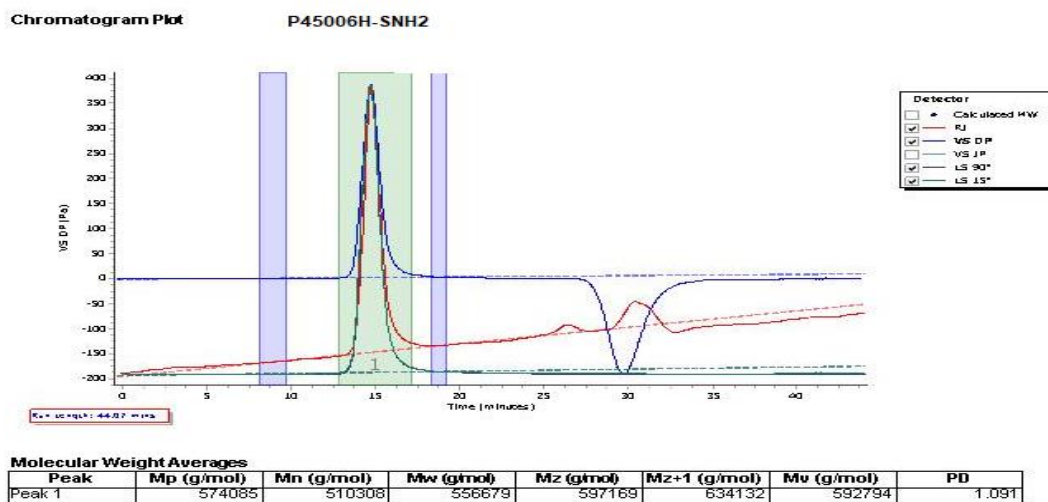
Solubility in different solvents:

THF	√	Methanol	X
CHCl ₃	√	Hexane	X
Toluene	√		

Validation of Architecture

A. Gel Permeation Chromatography (GPC), SEC Profile:

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



B. ¹H NMR

