



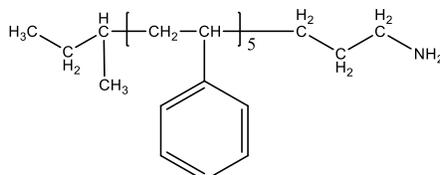
Product Profile

Identification

Product Name: Amino Terminated Polystyrene

Product Lot Number: P44249-SNH2

Chemical Architecture:

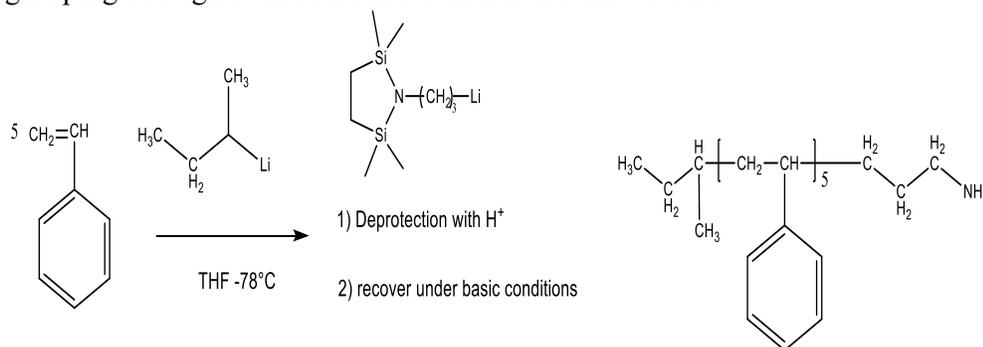


Composition:

Mn (g/mole)	1574,000
Mw (g/mole)	1885,000
Mw/Mn	1.20
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:



Solubility in different solvents:

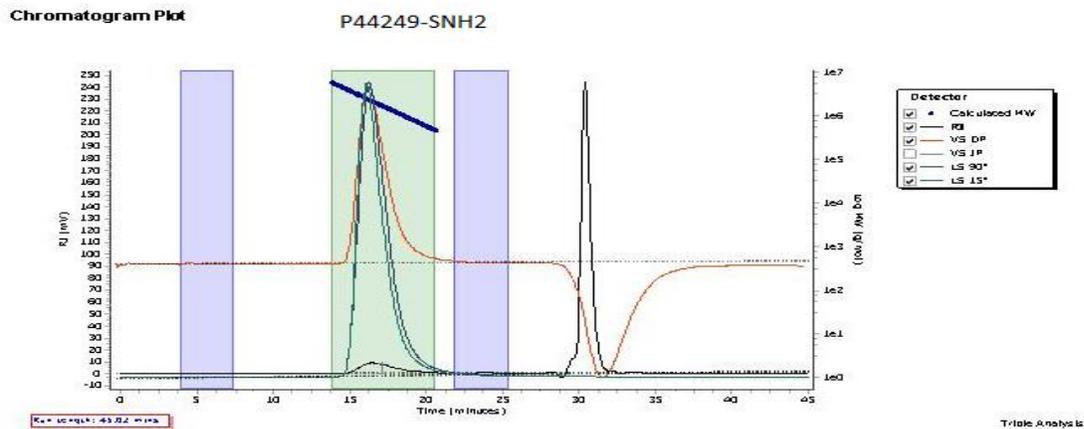
THF	√	Methanol	X
CHCl ₃	√	Hexane	X
Toluene	√		



Validation of Architecture

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

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



Molecular Weight Averages

Peak	Mp (g/mol)	Mn (g/mol)	Mw (g/mol)	Mz (g/mol)	Mz+1 (g/mol)	Mv (g/mol)	PD
Peak 1	2197588	1574608	1885548	2154269	2376410	2121950	1.197