



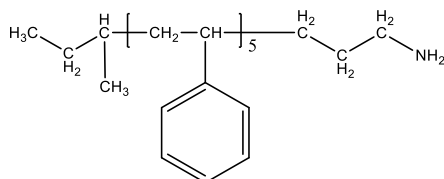
Product Profile

Identification

Product Name: Oligo (Amino Terminated Polystyrene)

Product Lot Number: P43829-SNH2

Chemical Architecture:

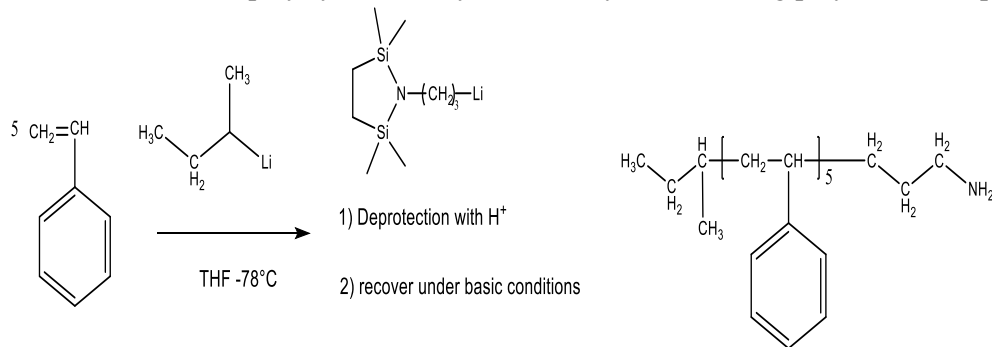


Composition:

Mn (g/mole)	550
Mw (g/mole)	600
Mw/Mn	1.04

Method of Synthesis

ω -amino terminated polystyrene was synthesized by anionic living polymerization process.

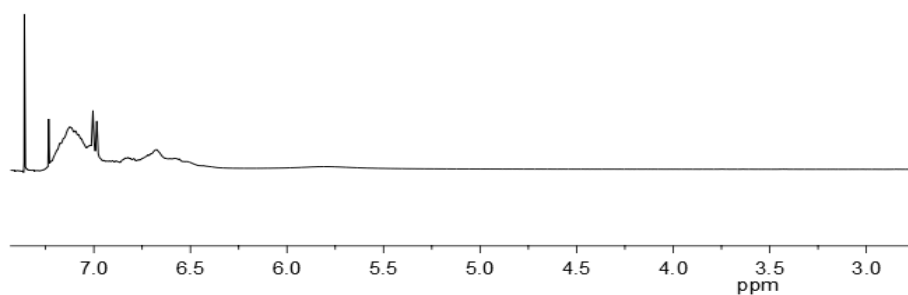


Solubility in different solvents:

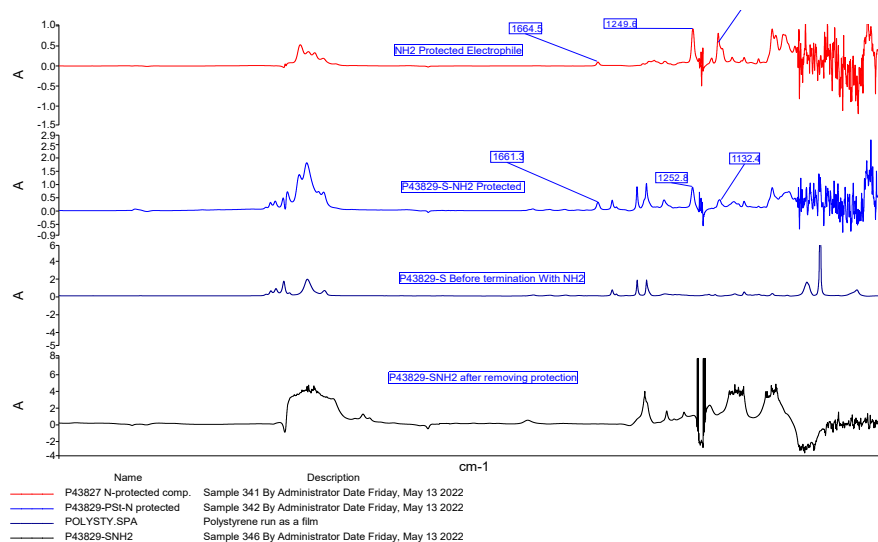
THF	✓	Methanol	X
CHCl ₃	✓	Hexane	X
Toluene	✓		

HNMR spectrum of PSNH2 Sample:

P43829-SNH2



FTIR spectrum of the Sample:



Deprotection of terminal NH2 can be followed by FTIR. The characteristic absorbance at 1249 cm⁻¹ and 1130 cm⁻¹, for TMCPAD can be found in Polystyrene with NH2 Protected moiety which are absent in polystyrene. After removing TMCPAD these absorbances are absent.