

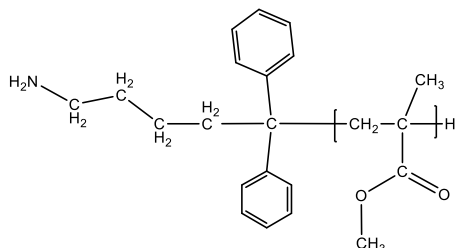
Product Profile

Identification

Product Name: Poly(methyl methacrylate), α -amino-terminated

Product Lot Number: P44920-MMANH2

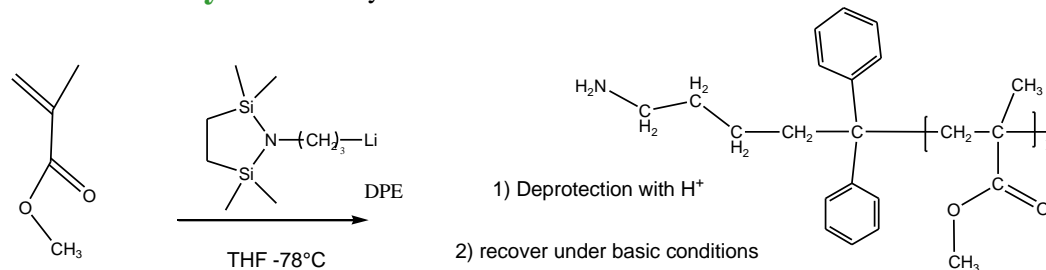
Product Chemical Architecture:



Composition:

Mn x 10 ³	Mw/Mn (PDI)	Microstructure of Polymer by ¹ H NMR Syndio:hetero:iso
20.0	1.15	75:16:8
Dp: 240 From ¹ H NMR		

Method of Synthesis: By anionic Process.

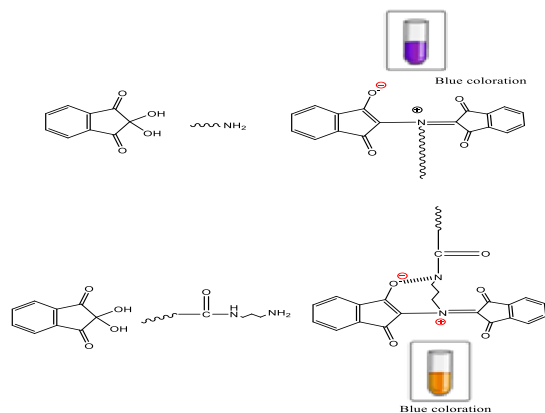


Solubility in different solvents

THF	✓	Acetone	✓
CHCl ₃	✓		
Toluene-Hot	✓		

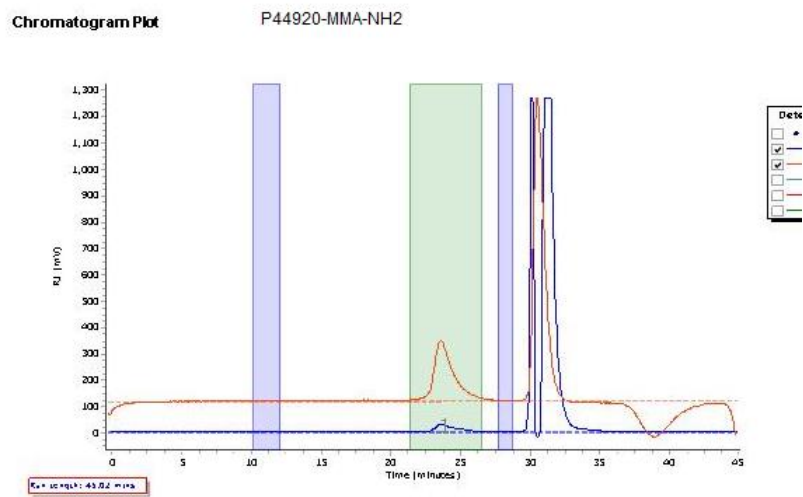
Purification of Polymer: By Soxhlet in Hexane to remove side products after cleavage of NH₂ protected moiety.

Ninhydrin test: Pass- Blue color



Validation of Architecture:

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



Molecular Weight Averages						
Peak	Mp (g/mol)	Mn (g/mol)	Mw (g/mol)	Mz (g/mol)	Mz+1 (g/mol)	Mv (g/mol)
Peak 1	27652	19989	23780	27598	31813	26384

B. NMR (HNMR) of polymer:

