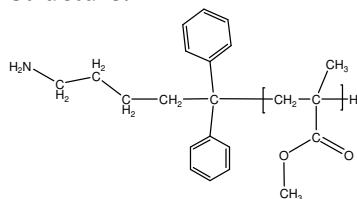


Sample Name: Amino Terminated Poly(methyl methacrylate) – Syndiotactic rich (>78 %)

Sample #: P19089-MMANH2

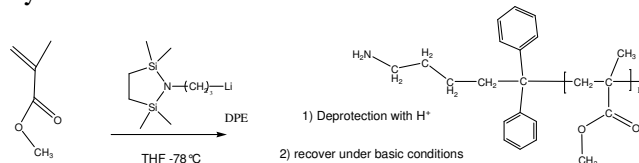
Structure:



Composition:

Mn x 10 ³	PDI
29.0	1.4
NH ₂ functionality	>98%
T _g for the polymer	131°C

Synthesis Procedure:



Ref:

1. Varshney, S. K.; Song, Z.; Zhang, Jian-Xin.; Jerome, Robert. Rapid Communication; J. Polym. Sci. Part A, 2006, 44, 3400.
2. S. K. Varshney, Ph. Bayard, C. Jacobs, R. Jerome, R. Fayt and Ph. Teyssie "Anionic Polymerization of Meth(acrylic) Monomers-8; Synthesis and Characterization of (Meth)acrylic end-functionalized Polymers: Macromonomers and Telechelics" CA 117, 18, 172243. Macro

Characterization:

By SEC and HNMR analysis.

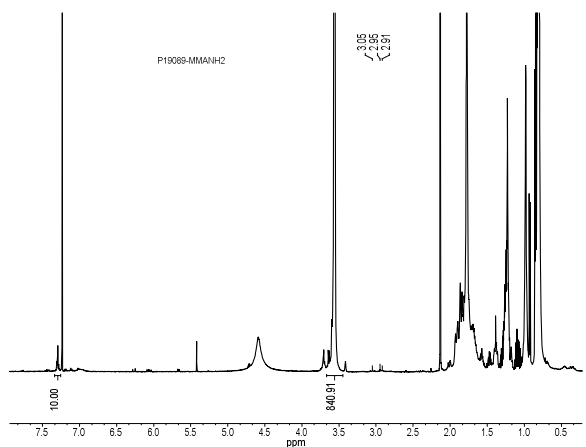
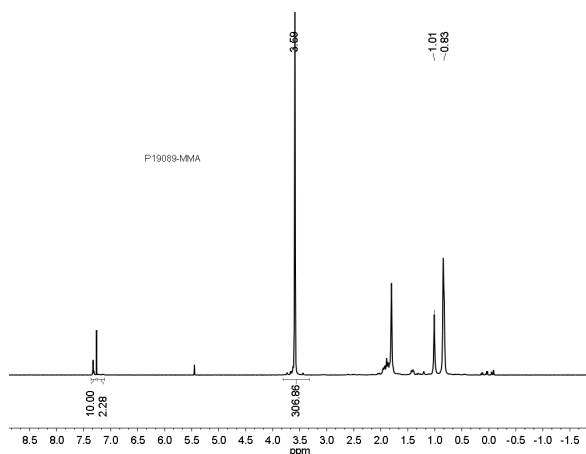
Thermal analysis:

Thermal analysis of the samples was carried out using a differential scanning calorimeter (TA Q100) at a heating rate of 10°C/min. The inflection glass transition temperature (T_g) has been considered.

Solubility:

The polymer is soluble in CHCl₃, THF and dioxane.

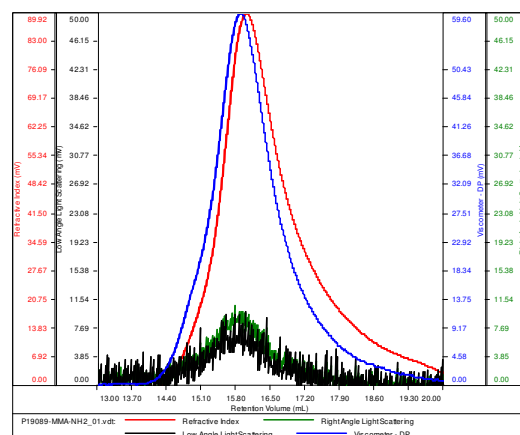
HNMR of the product NH2 Protected:



SEC of Sample:

SAMPLE ID: P19089-MMANH2

Conc (mg/mL)	7.7024
dn/dc (mL/g)	0.0650
Method	PS80K-NOV2014-0000.vcm
Solvent	DMF w 0.03M LiBr
Column	PSS

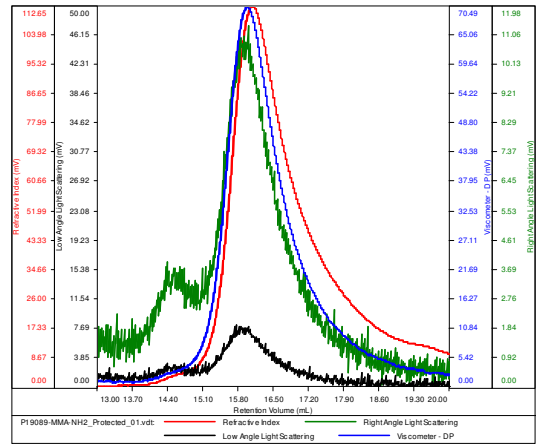


Sample	Mn	Mw	Mp	Mw/Mn	IV
P19089-MMA-NH2_01.vdt	28,768	38,010	34,283	1.321	0.1391

SEC of Sample con't:

SAMPLE ID: P19089-MMANH2 Protected

Conc (mg/mL)	9.5494
dn/dc (mL/g)	0.0650
Method	PS80K-NOV2014-0000.vcm
Solvent	DMF w 0.03M LiBr
Column	PSS



Sample	Mn	Mw	Mp	Mw/Mn	IV
P19089-MMA-NH2_Protected_01.vdt	29,644	41,187	38,717	1.389	0.1234

DSC thermogram for the sample:

