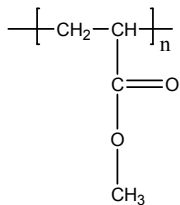


Sample Name: Poly (methyl acrylate)

Sample #: P40273-MA

By GTP process

Structure:



Composition:

Mn x 10 <sup>3</sup>	PDI
18.5	2.0

Synthesis Procedure:

The polymer was synthesized by GTP polymerization

Characterization:

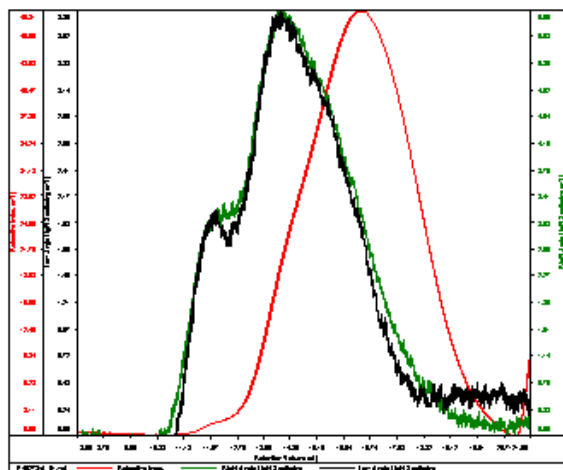
The polymer was characterized by SEC.

Solubility:

Poly (methyl acrylate) is soluble in THF, toluene and CHCl<sub>3</sub>. This polymer precipitates from methanol containing 10-15% water.

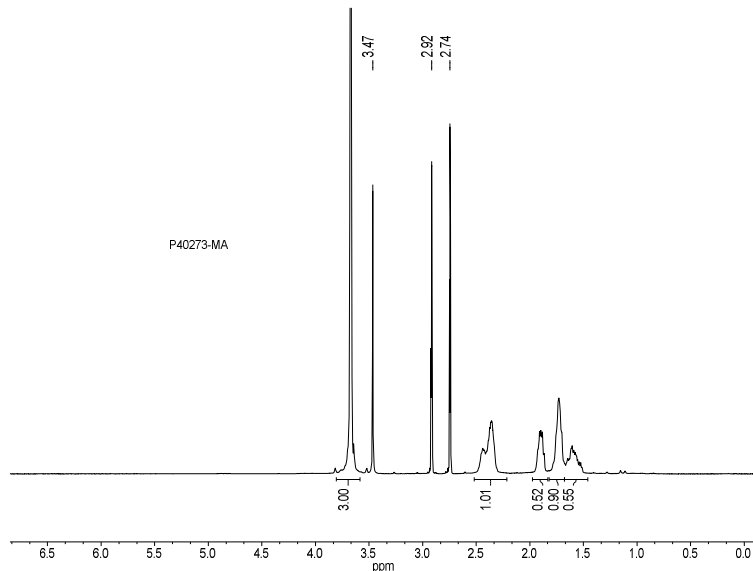
SEC elugram:

Conc (mg/mL)	18.6344
dn/dc (mL/g)	0.0660
Method	PSS20K_December-2016-0004.uom
Solvent	DMSO w/ 0.02234 LiBr
Column	PSS



Sample	Mn	Mw	Mp	Mw/Mn	IV
P40273-MA_01.d1	18,775	38,580	23,227	2.076	0.2011

HNMR of the Sample:



References:

1. Ph. Teyssie, Ph. Bayard, R. Jerome, **S. K. Varshney**, and J. S. Wang, *35th IUPAC International Union of Pure & Applied Chemistry International Symposium on Macromolecules* 1994, 67.
2. R. Fayt, R. Forte, C. Jacobs, R. Jerome, T. Ouhadi, Ph. Teyssie and **S. K. Varshney**, *Macromolecules*, 1987, 20, 1442-1444.
3. Jerome, R. Forte, **S. K. Varshney**, R. Fayt, and Ph. Teyssie, "The Anionic Polymerization of Alkylacrylates: A Challenge" in the Recent Advances in Mechanistic and Synthetic Aspects of Polymerization: M. Fontanille and A. Guyot Ed., NATO ASI Series C 215, 101 (1987), CA Vol. 108, 12, 094992.
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