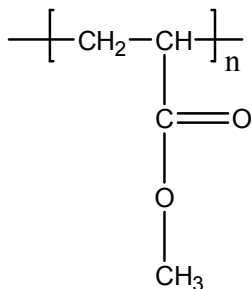


Sample Name: Poly (methyl acrylate)

Sample #: P40254-MA

By GTP process

Structure:



Composition:

Mn x 10 ³	PDI
9.0	1.4

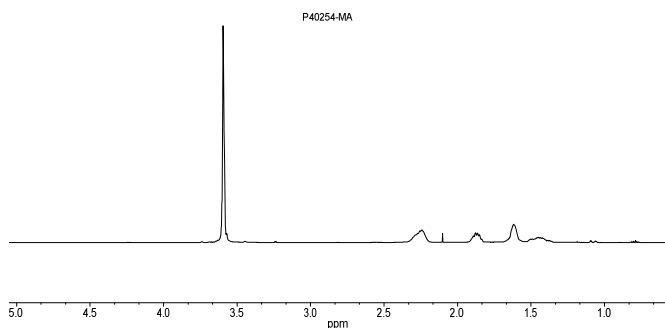
Synthesis Procedure: The polymer was synthesized by GTP polymerization

Characterization:

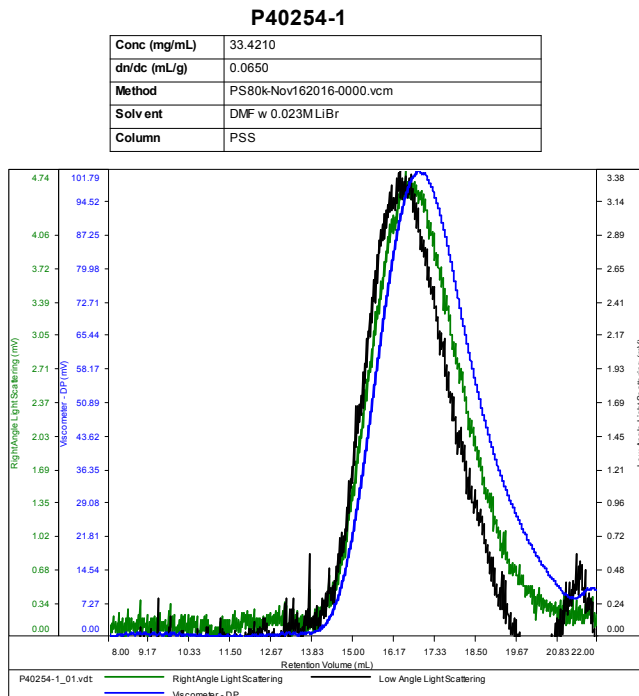
The polymer was characterized by SEC.

Solubility:

Poly (methyl acrylate) is soluble in THF, toluene and CHCl₃. This polymer precipitates from methanol containing 10-15% water.



SEC elugram of the Sample:



Sample	Mn	Mw	Mp	Mw/Mn	IV
P40254-1_01.vdt	9,072	12,947	9,430	1.427	0.1018

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.
4. Ph. Teyssie, R. Fayt, C. Jacobs, R. Jerome, L. Leemans, and **S. K. Varshney** *Am. Chem. Soc., Polym. Prepr.* 1988, 28, 2, 52-53