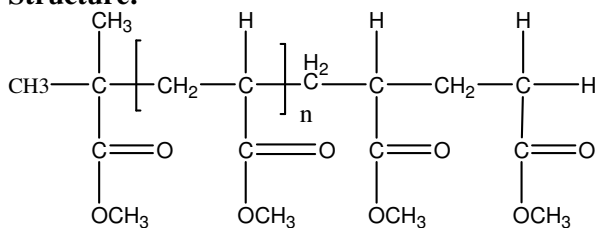


Sample Name: Poly(methyl acrylate)

Sample #: P19927A-MA

**Structure:**



**Composition:**

Mn x 10 <sup>3</sup>	PDI
65.0	1.6

**Synthesis Procedure:**

Poly(methyl acrylate) is obtained by GTP process:

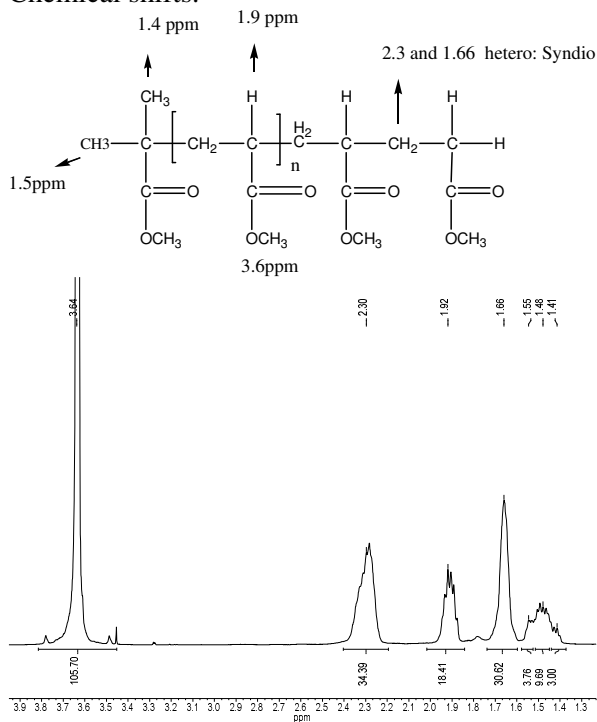
**Characterization:**

The polymer was characterized by <sup>1</sup>H NMR and SEC

**Solubility:**

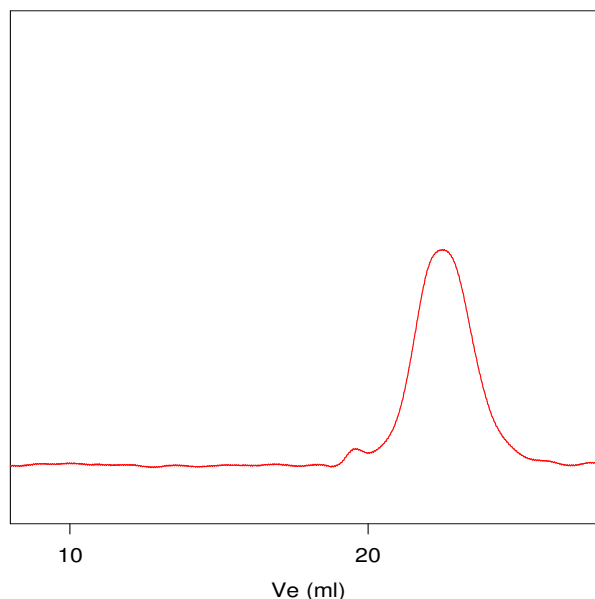
Poly(methyl acrylate) is soluble in THF, hexanes (low MW), toluene and CHCl<sub>3</sub>. This polymer precipitates from ethanol and methanol containing 10-15% water.

**Chemical shifts:**



**SEC elugram of the polymer:**

**P19927A-MA**



Size Exclusion Chromatography of Poly(Methyl acrylate)

M<sub>n</sub>=65,000, M<sub>w</sub>=104,000, M<sub>w</sub>/M<sub>n</sub>=1.6

**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