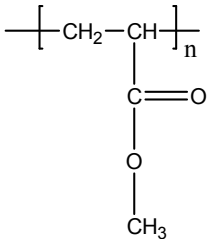
Sample Name: **Poly (methyl acrylate)**

Sample #: **P40259A-MA**
By GTP process

Structure:



Composition:

Mn x 10^3	PDI
12.5	2.3

Synthesis Procedure: The polymer was synthesized by GTP polymerization

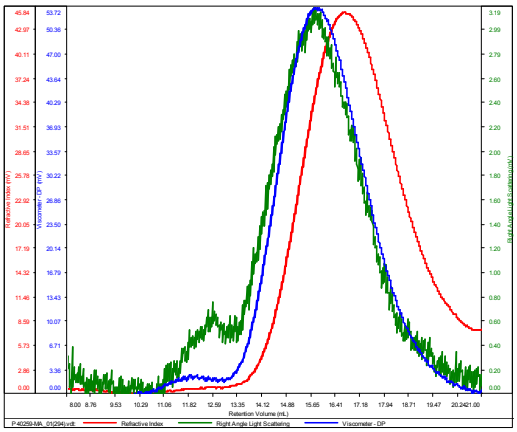
Characterization:
The polymer was characterized by SEC.

Solubility:
Poly (methyl acrylate) is soluble in THF, toluene and $CHCl_3$. This polymer precipitates from methanol containing 10-15% water.

SEC elugram:

P40259A-MA

Conc (mg/mL)	7.2732
dn/dc (mL/g)	0.0650
Method	PS80k-October192016-0000.vcm
Solvent	DMF w 0.023M LiBr
Column	PSS



Sample	Mn	Mw	Mp	Mw/Mn	IV
P40259-MA_01(294).vdt	12,405	28,649	17,910	2.309	0.2618

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. Fontanaille 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*