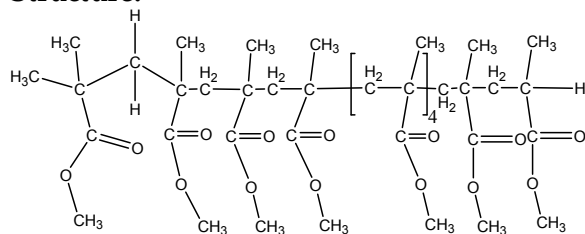


Sample Name: Oligomers of Poly(Methylmethacrylate)

Sample #: P14509C-MMA Oligomer

Structure:

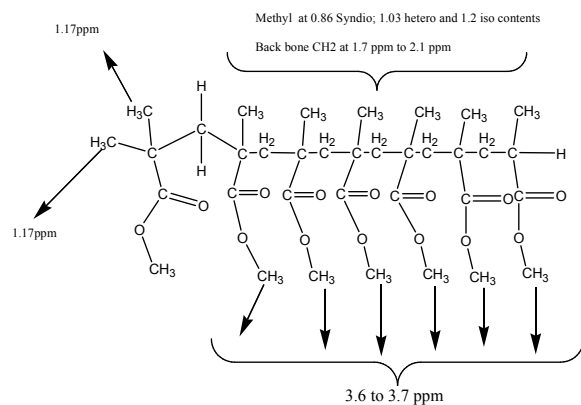


Composition:

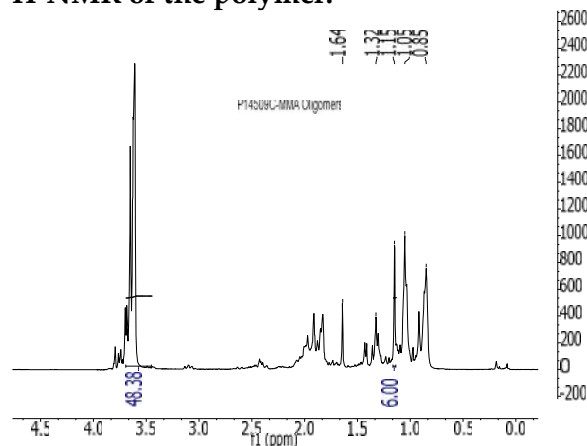
Degree of Polymerization	PDI
D _p by ¹ H NMR: 9	1.18
0.9 x10 ³	

Characterization:

The molecular weight and polydispersity index (PDI) are obtained by size exclusion chromatography (SEC) in THF. The degree of polymerization was determined by H NMR analysis.

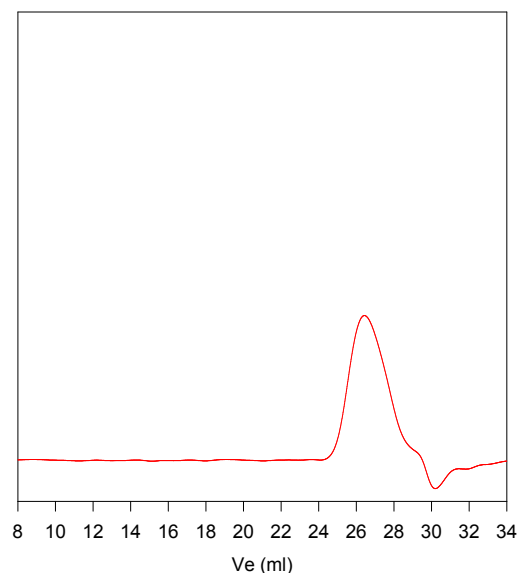


H-NMR of the polymer:



SEC of Sample:

P14509C-MMA (Oligomer)



Size Exclusion Chromatography of Poly methylmethacrylate

Dp of MMA monomer is : 9 Mw/Mn 1.18

References:

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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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