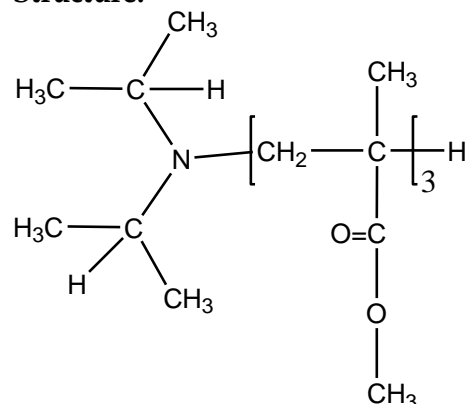


Sample Name: **Oligomers of Poly(Methylmethacrylate)**

Sample #: **P9349B-MMA**

Structure:



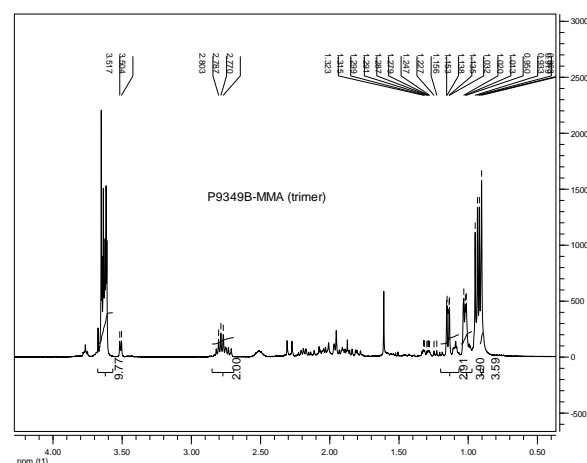
Composition:

| | |
|---------------------------|------|
| Degree of Polymerization | PDI |
| D _p by HNMR: 3 | 1.05 |

Characterization:

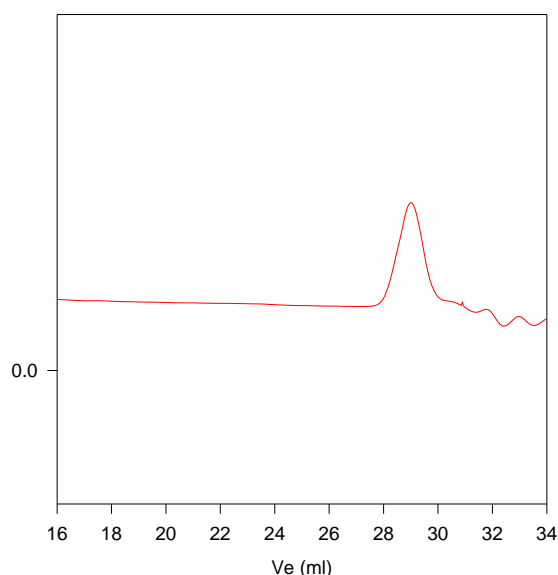
The molecular weight and polydispersity index (PDI) are obtained by size exclusion chromatography (SEC) in THF. SEC analysis was performed on a Varian liquid chromatograph equipped with refractive and UV light scattering detectors. Three SEC columns from Supelco (G6000-4000-2000 HXL) were used with triple detectors from Viscotek Co.

H-NMR of the polymer:



SEC of Sample:

P9349B-MMA Oligomer



Size Exclusion Chromatography of Poly methylmethacrylate

Dp of MMA monomer is : 3 Mw/Mn 1.05

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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