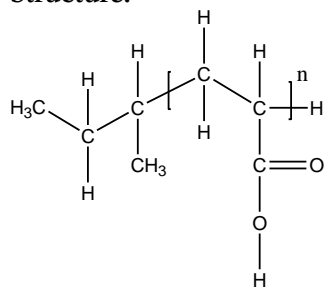


Sample Name: Oligomers of Poly (acrylic acid)
obtained from the Hydrolysis of oligomer of poly
tert.butyl acrylate

Sample #: P8430A-AA

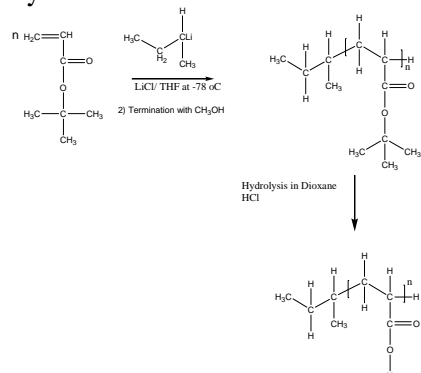
Structure:



Composition:

| | |
|----------------------------------|-------|
| Value of n By HNMR/MALDI-TOFF | Mw/Mn |
| Dp: 6 Mn 450 | 1.2 |
| Dp:3 by MALDI-TOFF | |

Synthesis Procedure:



Solubility:

Poly acrylic acid oligomers are soluble in Hexane, Methanol, ethanol and water.

References:

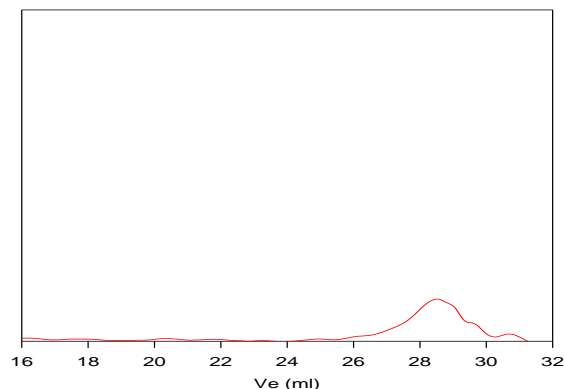
1. Ph. Teyssie, Ph. Bayard, R. Jerome, **S. K. Varshney**, and J. S. Wang, *35th IUPAC International Union of Pure & Applied Chemistry International Symposium on Macromolecules* 1994, 67.
2. R. Fayt, R. Forte, C. Jacobs, R. Jerome, T. Ouhadi, Ph. Teyssie and **S. K. Varshney**, *Macromolecules*, 1987, 20, 1442-1444.
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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

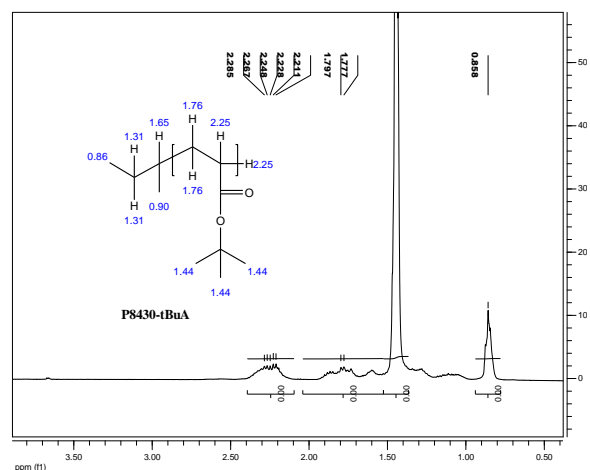
SEC of Sample:

**P8430-tBuA Oligomer
RECURSOR FOR P8430A-AA**

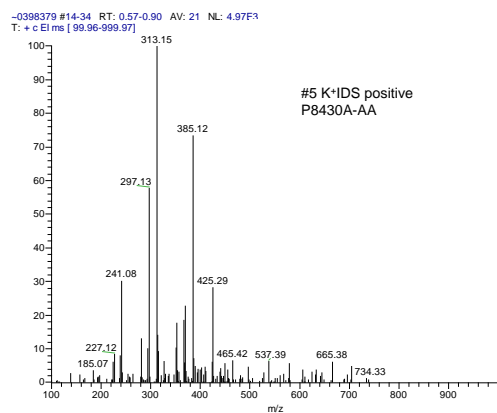


Size Exclusion Chromatography of Poly tert. Butyl acrylate oligomers
Dp: 6 by HNMR
Mn 750 Mw: 900 Mw/Mn 1.20
after Hydrolysis of tert. butyl ester Mn: 450 Mw/Mn 1.2

HNMR of the oligomer of poly
(tert.butylacrylate)



MALDI-TOFF of Poly acrylic acid



MALDI-TOFF of Poly tert.butyl acrylate precursor of Poly acrylic acid:

