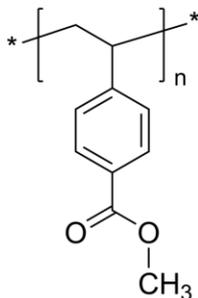


Sample Name: Poly(methyl 4-vinylbenzoate)

Sample #: P14107A-MeVBA

**Structure:**

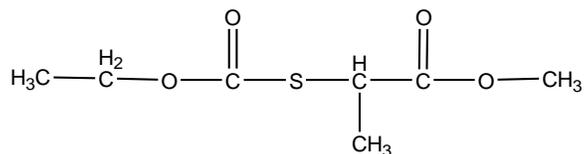


**Composition:**

Mn x 10 <sup>3</sup>	PDI
10.0	1.8

**Synthesis Procedure:**

Poly(4-vinyl benzoic acid) is synthesized by RAFT polymerization process using following RAFT using vinyl benzoic acid:



**Characterization:**

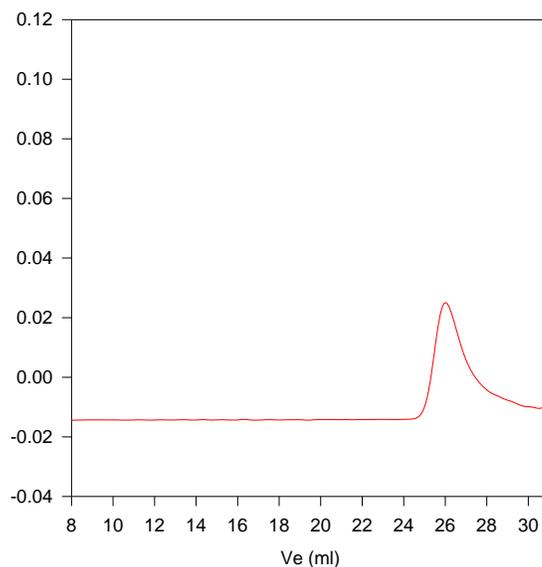
The product was characterized by size exclusion chromatography (SEC).

**Solubility:**

Polymer is soluble in DMF, MeOH, EtOH. It precipitates from water and hexanes.

**SEC of Homopolymer: Ester form:**

**P14107-VBA(in methyl ester form)**



Size exclusion chromatograph of polymer:

Mn : 10000 Mw: 18000 Mw/Mn 1.8