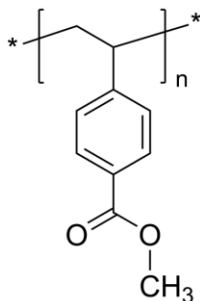


Sample Name: Poly(methyl 4-vinylbenzoate)

Sample #: P14107A-MeVBA

Structure:

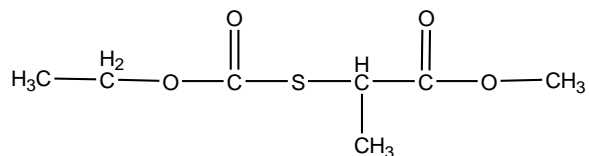


Composition:

Mn x 10 ³	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:

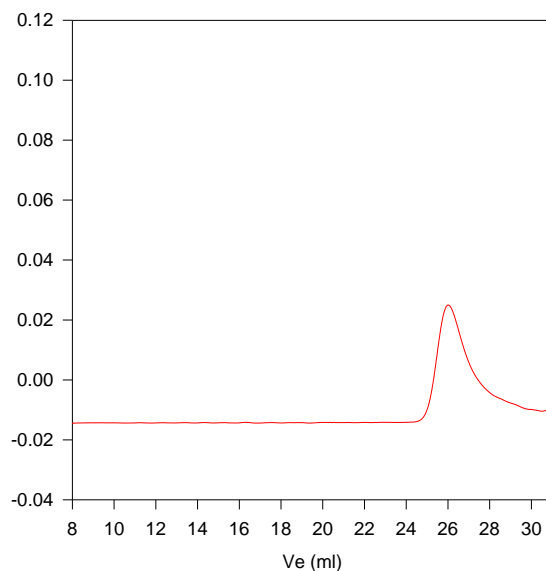
The product was characterized by size exclusion chromatography (SEC).

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