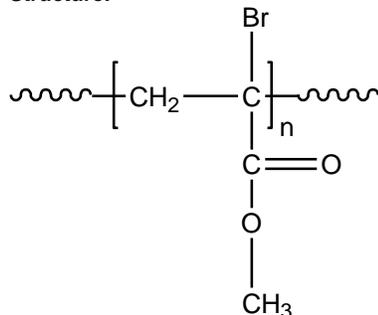


Sample Name: Poly(α -bromo-methyl acrylate)

Sample #: P8322B-BrMA

Structure:

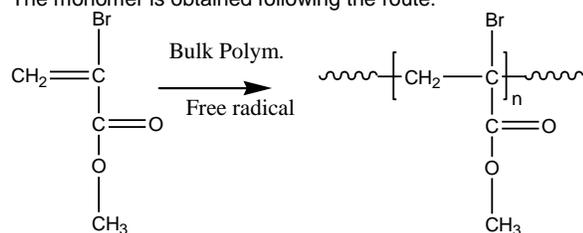


Composition:

$M_n \times 10^3$	PDI
15.0	3.8

Synthesis Procedure:

Polymer is obtained by free radical polymerization in bulk. The monomer is obtained following the route:



Characterization:

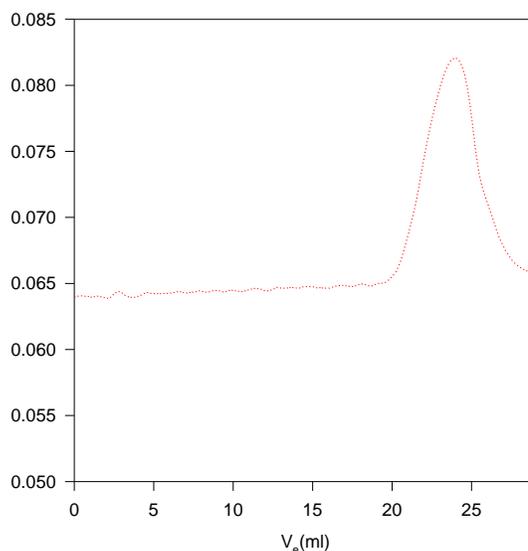
The molecular weight and polydispersity index (PDI) are obtained by size exclusion chromatography.

Solubility:

Poly(α -bromo-methyl acrylate) is soluble in THF, CHCl_3 , 1,4-dioxane, toluene. It is precipitated out from cold ethanol methanol.

SEC of sample:

P8322B-BrMA



Size exclusion chromatography of Poly(α -bromo methyl acrylate)
 $M_n = 15000$; $M_w = 57000$; $PI = 3.8$