

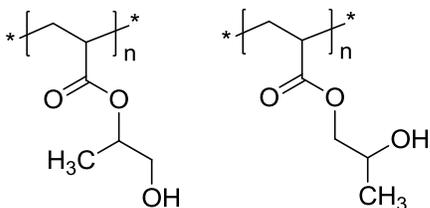
**Sample Name: Poly (2-hydroxypropyl acrylate)**  
(mixture of isomers)

**SEC of Homopolymer:**

**Sample #: P40752-HPA**

**P40752-HPA**

**Structure:**



(mixture of isomers)

**Composition:**

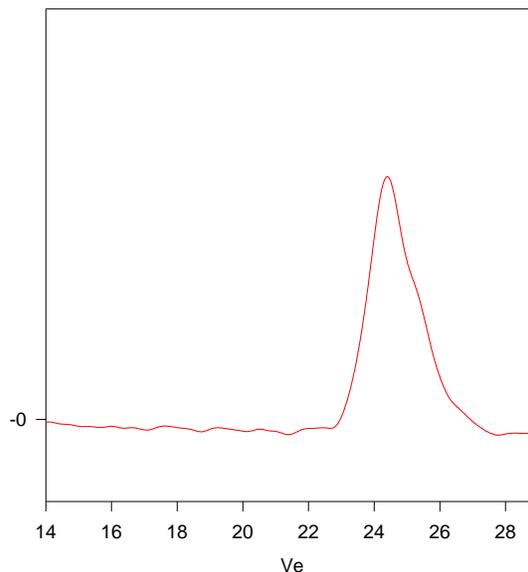
Mn x 10 <sup>3</sup>	PDI
6.0	1.35

**Synthesis Procedure:**

The product was prepared by GTP polymerization process using 2-Trimethyl siloxy Propyl acrylate.

**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.



Size Exclusion Chromatography of Poly trimethylsiloxy propyl acrylate:

M<sub>n</sub>=9,500, M<sub>w</sub>=13,000, PI=1.35

After deprotected Poly hydroxy propyl acrylate:

Mn: 6,000 Mw: 8,000 Mw/Mn : 1.35

**HNMR of the product in CdCl<sub>3</sub> HPA-TMS :**

