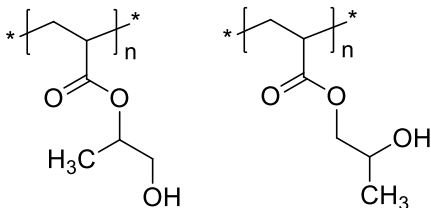


**Sample Name:** Poly(2-hydroxypropyl acrylate)  
(mixture of isomers)

**Sample #:** P43320B-HPA

**Structure:**



(mixture of isomers)

**Composition:**

Mn x 10 <sup>3</sup>	PDI
2.5	1.5

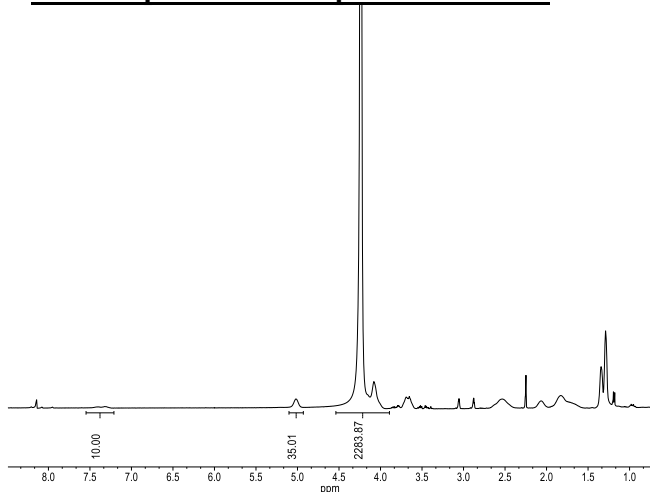
**Synthesis Procedure:**

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

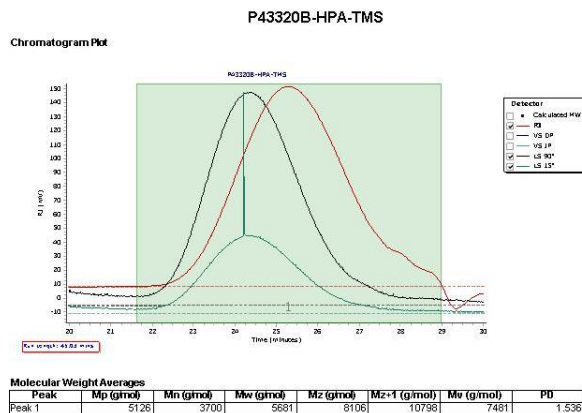
**Characterization:**

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.

**HNMR spectrum of the product in DMF:**



**SEC elugram of Homopolymer:**



After hydrolysis: P2HPA: Mn 2,500 Mw/Mn 1.5