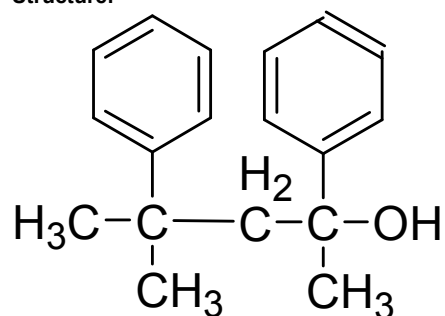


**Sample Name:**

**Dimer of  $\alpha$ -methyl styrene Oligomer**

**Sample #:** P2909-Dimer

**Structure:**

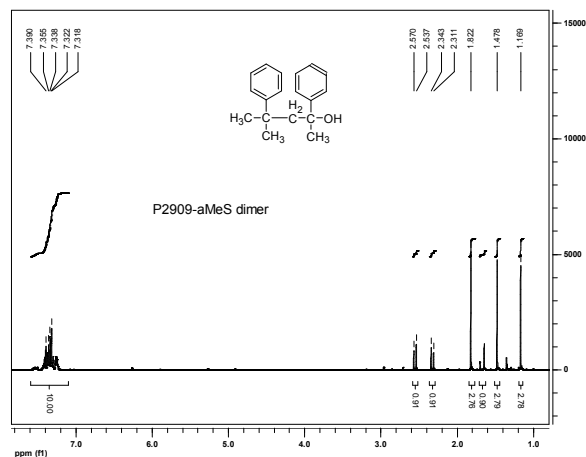
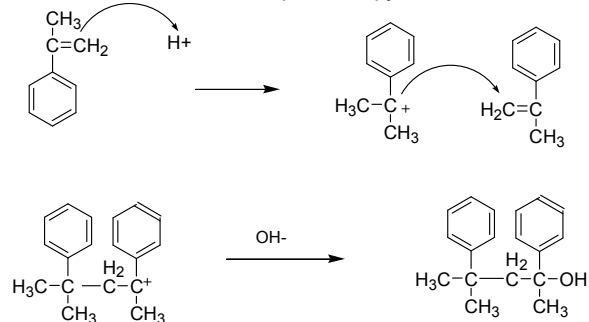


**Composition:**

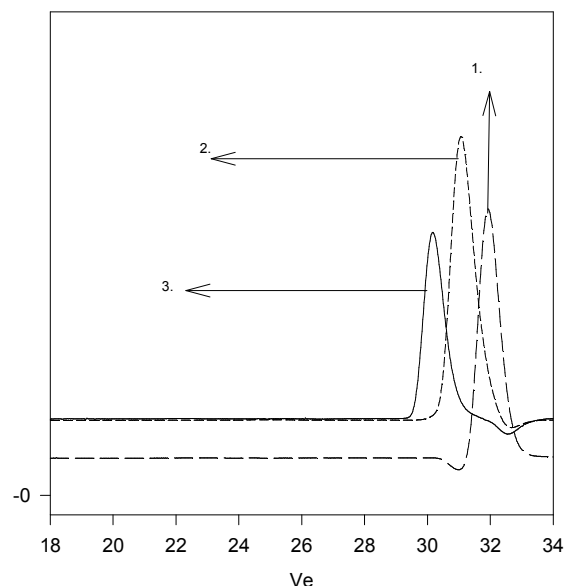
Mn x 10 <sup>3</sup>	PDI
0.242	1.06

**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. <sup>1</sup>H-NMR spectroscopy in CdCl<sub>2</sub>.



**alpha methyl styrene oligomers:**



Size Exclusion Chromatography of:

- (1)  $\alpha$ -methylstyrene monomer
- (2) cumyl methyl ether
- (3) Dimer of  $\alpha$ -methylstyrene