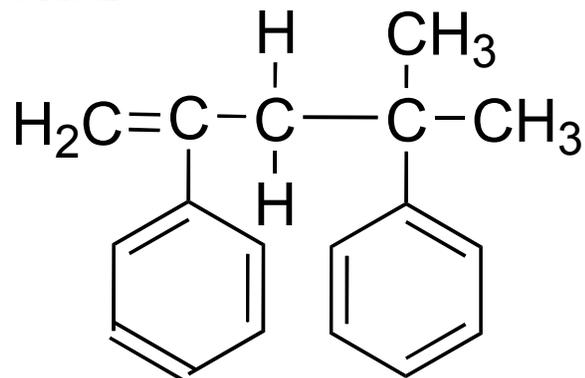


Sample Name:

Dimer of α -methyl styrene Oligomer

Sample #: P553-Dimer

Structure:

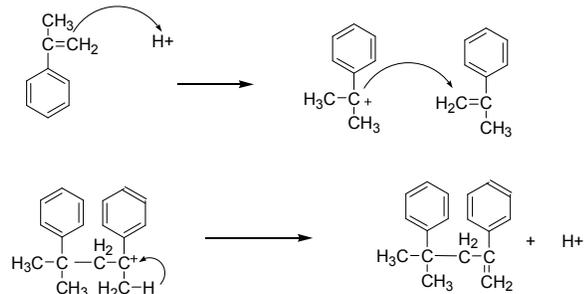


Composition:

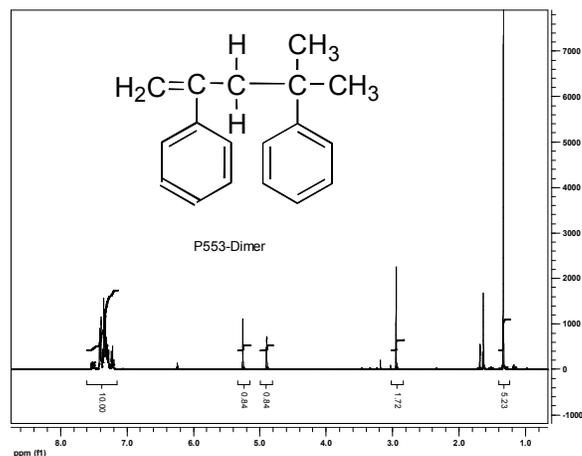
$M_n \times 10^3$	PDI
0.236	1.06

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. $^1\text{H-NMR}$ spectroscopy in CdCl_3 .



$^1\text{H-NMR}$ of the dimer:



SEC of the dimer:

alpha methyl styrene oligomers:

