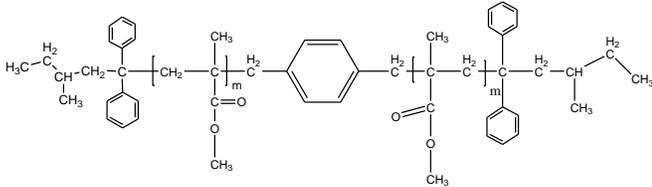


**Sample Name:** Poly (methyl methacrylate), with p-xylene in center of polymer chain

**Sample #:** P41600-MMA-Xylene-MMA

**Structure:**



**Composition:**

Mn x 10 <sup>3</sup>	PDI
4.8	1.07

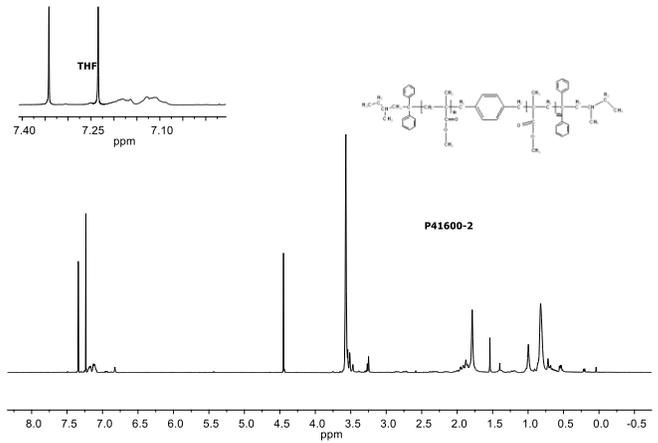
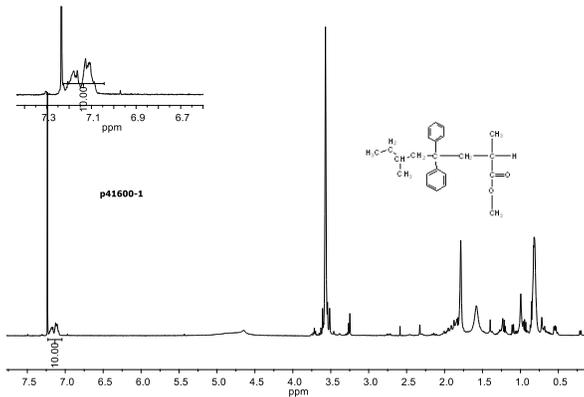
**Synthesis Procedure:**

The polymer was synthesized by anionic polymerization process.

**Characterization:**

The polymer was characterized by size exclusion chromatography (SEC) and <sup>1</sup>H NMR.

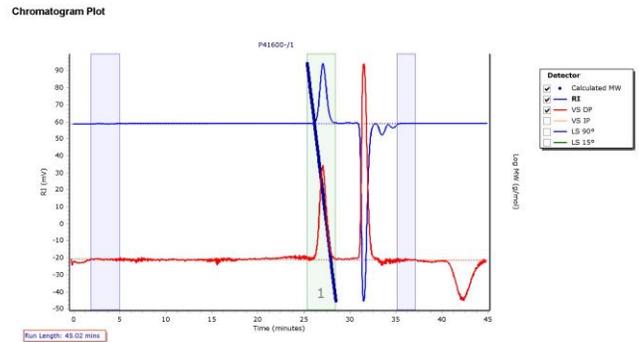
**<sup>1</sup>H NMR spectrum of polymer:**



**SEC elugram of the Sample:**

Agilent GPC/SEC Software

P41600-1



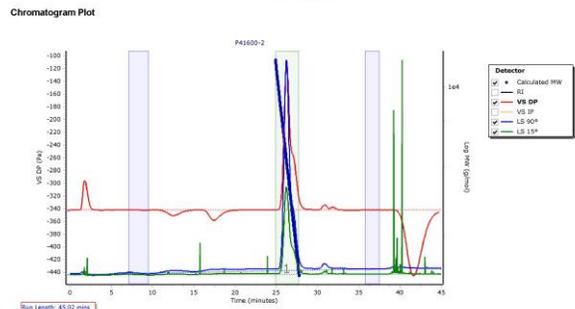
Molecular Weight Averages

Peak	Mp (g/mol)	Mn (g/mol)	Mw (g/mol)	Mz (g/mol)	Mz+1 (g/mol)	Mv (g/mol)	PD
Peak 1	2855	2015	2839	2883	2887	2856	1.009

Reference Parameters

Agilent GPC/SEC Software

P41600-2



Molecular Weight Averages

Peak	Mp (g/mol)	Mn (g/mol)	Mw (g/mol)	Mz (g/mol)	Mz+1 (g/mol)	Mv (g/mol)	PD
Peak 1	5695	4584	4972	5336	5658	5271	1.085