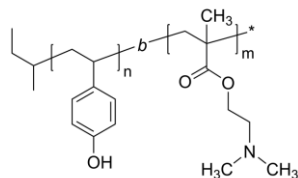


**Sample Name:** Poly (4-Hydroxy styrene-b-NN-dimethylaminoethylmethacrylate)

**Sample #:** P41634A-4OHSDMAEMA

**Structure:**



**Composition:**

Mn x 10 <sup>3</sup> 4OHS-b-NN-DMAEMA	Mw/Mn (PDI)
6.0-b-15.0	1.05

**Synthesis Procedure:**

The polymer was synthesized by anionic polymerization process. 4 Methoxy styrene converted to 4 hydroxy styrene by hydrolysis using Boron tribromide in DCM at 0 °C.

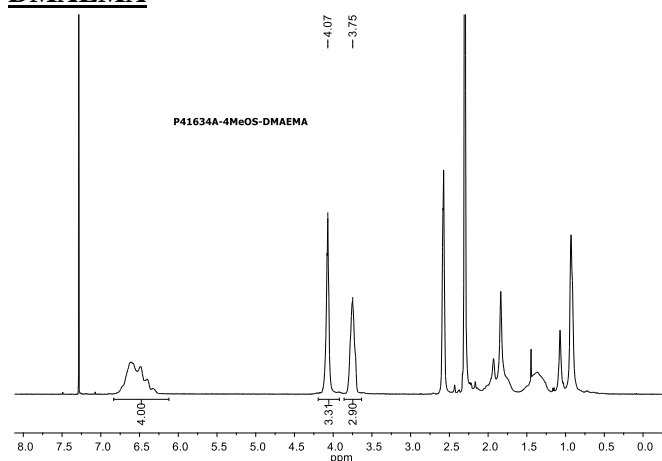
**Characterization:**

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

**Solubility:**

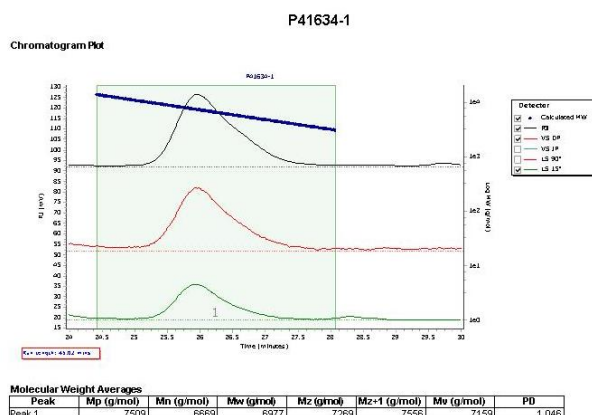
Polymer is soluble in THF and Acetone.

**<sup>1</sup>H NMR spectrum of the sample: 4MeOS-DMAEMA**



**SEC profile of the P4MeOS:**

Agilent GPC/SEC Software



**SEC profile of the P4MeOS-DMAEMA:**

Agilent GPC/SEC Software

