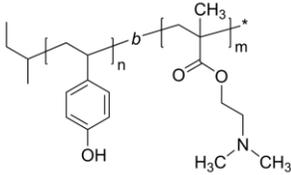


Sample Name: Poly (4-Hydroxy styrene-b-NN-dimethylaminoethylmethacrylate)

Sample #: P41634A-4OHSDMAEMA

Structure:



Composition:

Mn x 10 ³ 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.

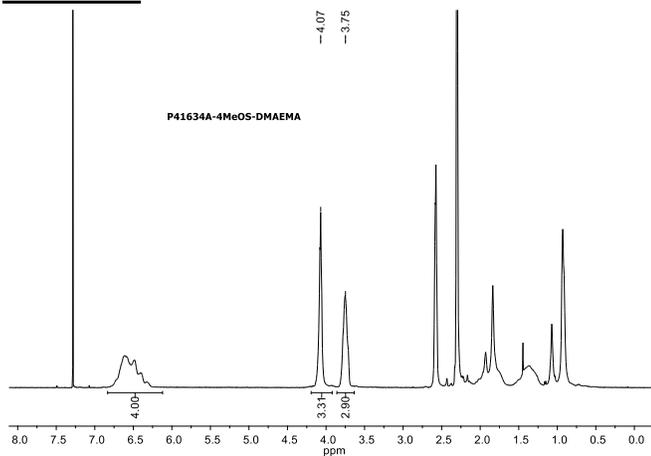
Characterization:

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

Solubility:

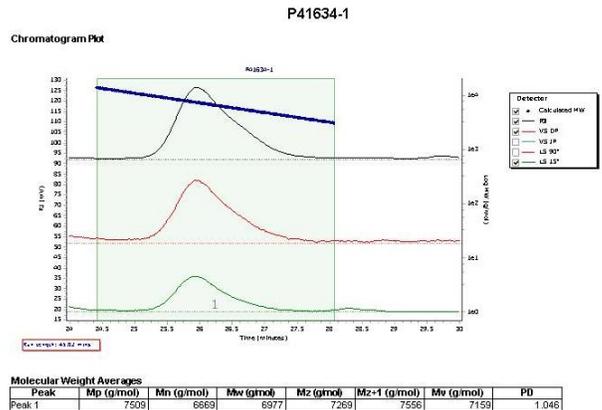
Polymer is soluble in THF and Acetone.

¹H 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

