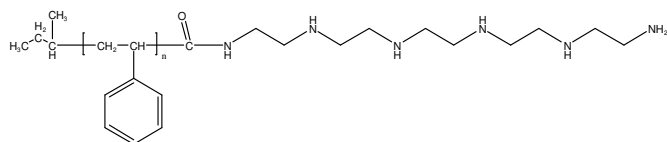


Sample Name:
PentaethylHexamine-Terminated Polystyrene

Sample #: **P18909A-SPEHA**
Dialysed polymer against water

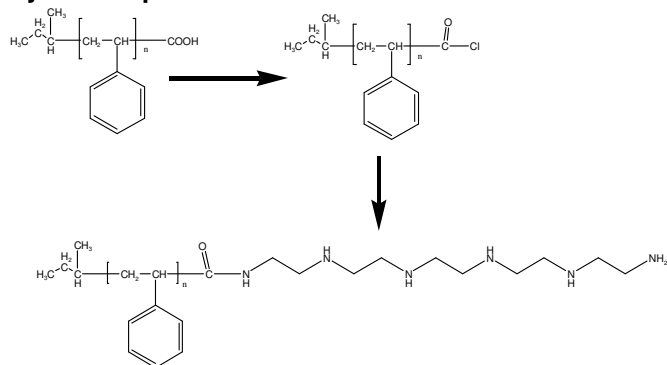
Structure:



Composition:

Mn x 10 ³	PDI
2.3	1.08 (COOH) (1.3)
Functionality %	>96%
<p>Dimer</p>	> 20%

Synthesis procedure:



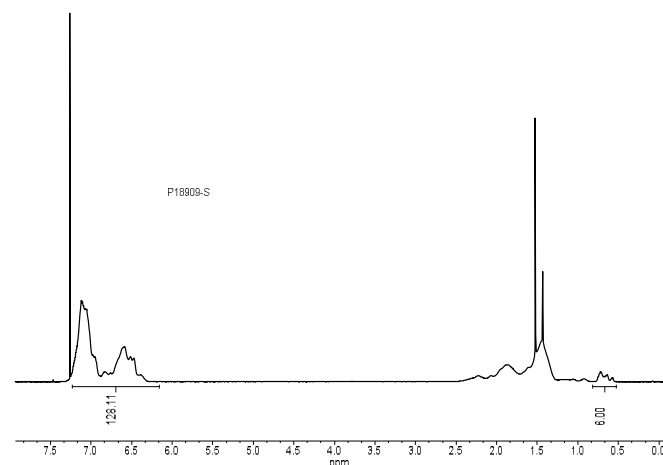
Characterization:

The polymer was characterized by size exclusion chromatography (SEC), ¹H NMR and FTIR spectroscopies.

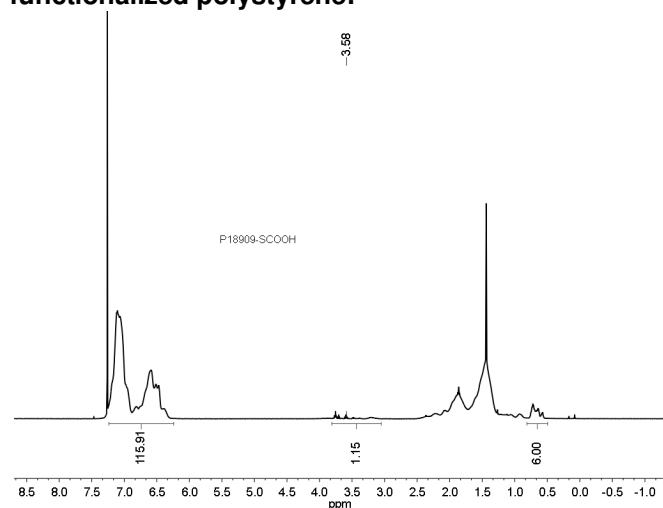
Solubility:

Polymer is soluble in toluene, THF, CHCl₃ and can be precipitated in water and cold methanol.

¹H NMR (500 MHz, CDCl₃) spectrum of polystyrene:



¹H NMR (500 MHz, CDCl₃) spectrum of COOH-functionalized polystyrene:



¹H NMR (500 MHz, CDCl₃) spectrum of PEHA-terminated polystyrene:

