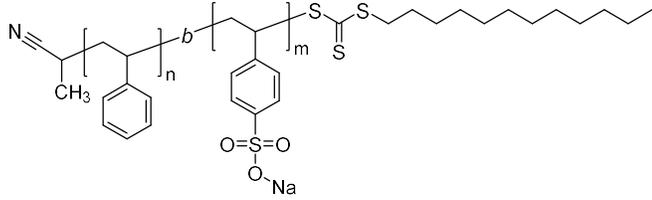


Sample Name: Poly (styrene -b- Styrene sulfonic acid sodium salt)

Sample #: P60086B-S-SSO3Na

Structure:



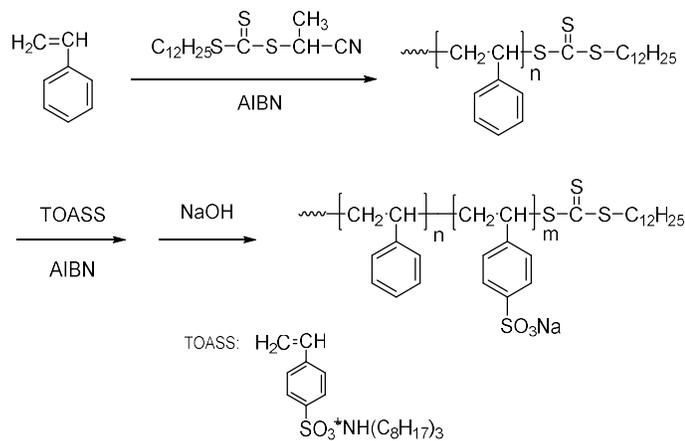
Composition:

$M_n \times 10^3$ PS-b-PSSO3Na	PDI
5.2-b-2.15	1.02(first block)

Synthesis:

The polymer was synthesized by RAFT polymerization process.

The following reaction scheme shows how the product was prepared:



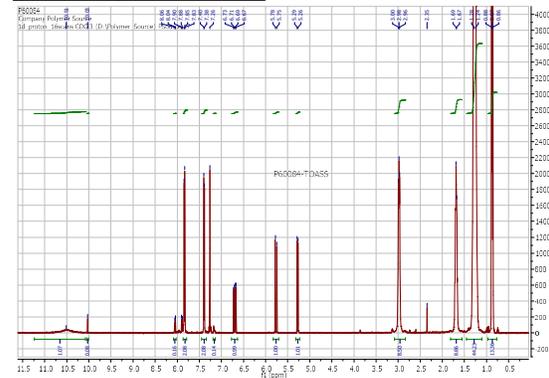
Characterization:

The product was characterized by size exclusion chromatography (SEC) in DMF as eluent and ^1H NMR.

Solubility:

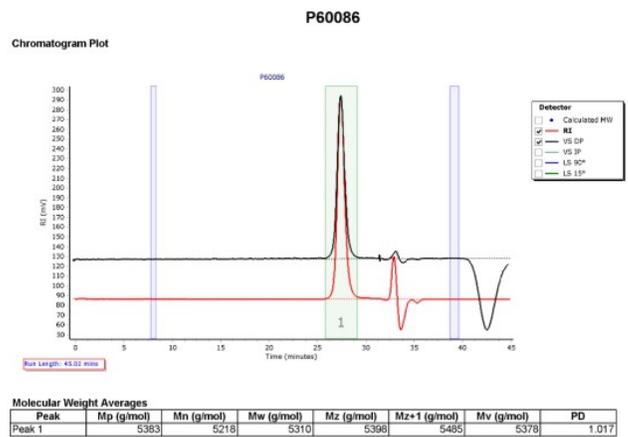
The polymer is soluble in DMSO.

HNMR of Trioctylammonium -4-styrene sulfonate (TOASS) monomer:



SEC of the block copolymer:

Agilent GPC/SEC Software



The block composition was calculated from HNMR:

