

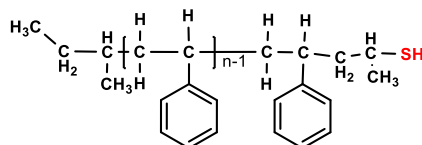
Product Profile

Identification

Product Name: Oligomer of Poly(styrene), ω -thiol-terminated

Sample #: P45721-SSH

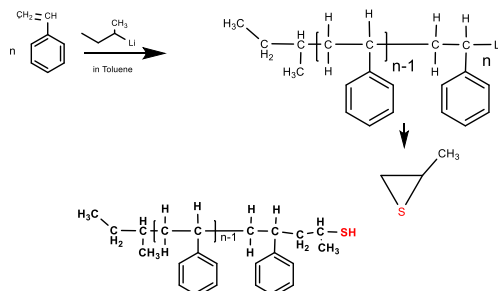
Structure:



Composition:

Mn x 10 ³	Mw/Mn (PDI)	Dp of copolymer by HNMR
0.3	1.2	5

Method of Synthesis.



Solubility in different solvents : depending on the compositions

THF	✓	Acetone	✓
CHCl ₃	✓	DMF	✓

Purification of Polymer By Column packed with neutral Al₂O₃ to remove inorganic salt

Validation of Architecture:

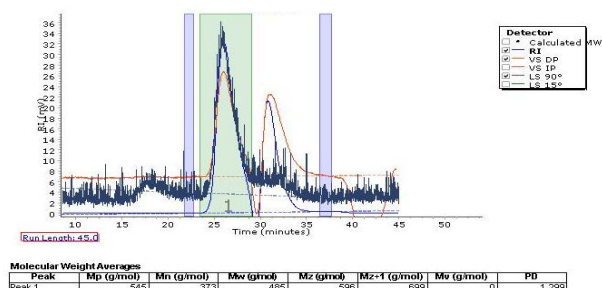
A. Gel Permeation Chromatography (GPC), SEC- Profile

In THF solvent with 0.4 (Et)₃N as additive. Temperature of column 30°C flow rate 1.0 ml.
The values are with respect to polystyrene dn/dc values 0.184 ml/g;

Agilent GPC/SEC Software



Chromatogram Plot P45721-SSH



B. NMR (^1H NMR)

