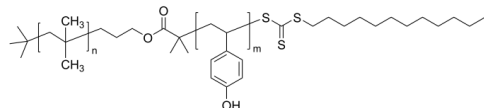


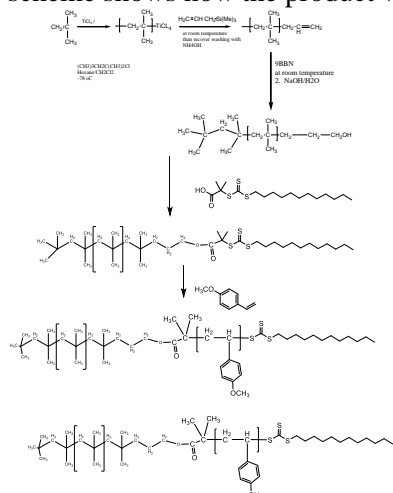
Poly (isobutylene-b-4-hydroxy Styrene)

Structure:



Mn $\times 10^3$ Ib-b-4OHS	Mw/Mn (PDI)
8.5-b-39.0	1.22

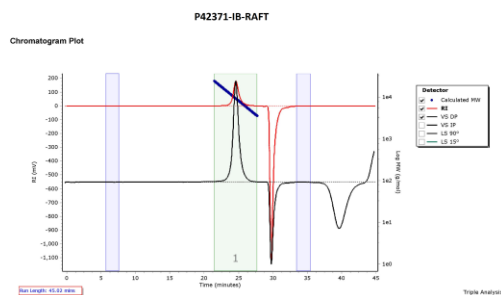
The polymer was synthesized by Cationic and RAFT polymerization process. The following reaction scheme shows how the product was prepared:



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

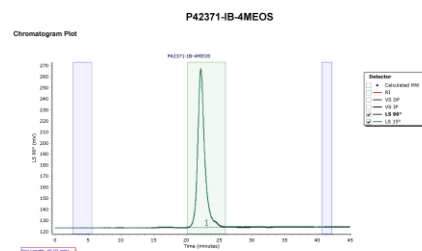
Poly (isobutylene-b-4-Hydroxy styrene) is soluble in a mixture of THF-Methanol.

Agilent GPC/SEC Software



Molecular Weight Averages							
Peak	Mp (g/mol)	Mn (g/mol)	Mw (g/mol)	Mz (g/mol)	Mz+1 (g/mol)	Mv (g/mol)	PD
Peak 1	9202	8759	9231	9339	9604	9269	1.04

Agilent GPC/SEC Software



Peak	Mp (g/mol)	Mn (g/mol)	Mw (g/mol)	Mz (g/mol)	Mz+1 (g/mol)	Mv (g/mol)	PO
Peak 1	73615	52508	63828	72375	78930	71501	1

Mn 8,500-b-39,000