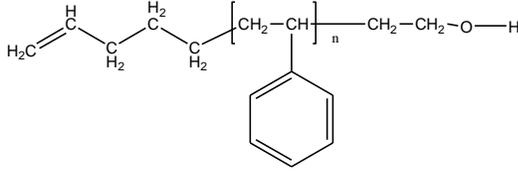


Sample Name:
Poly(styrene), (α -allyl, ω -hydroxy)-terminated

Sample #: P41504-S-allylOH

Structure:



Composition:

Mn x 10 ³	PDI	Functionality %
22.0	1.19	95

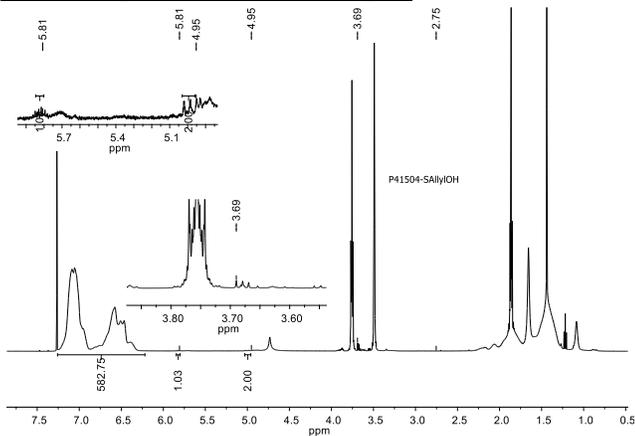
Synthesis Procedure:

The hetero-functional terminated Polystyrene was prepared by anionic initiator 5-Lithio-1-pentene initiator and termination by Ethylene oxide.

Characterization:

The molecular weight and polydispersity index of this polymer were determined by size exclusion chromatography (SEC) using a Varian liquid chromatograph equipped with a UV and refractive index detector. Polymer functionality was verified by NMR.

H NMR spectrum of the Sample:

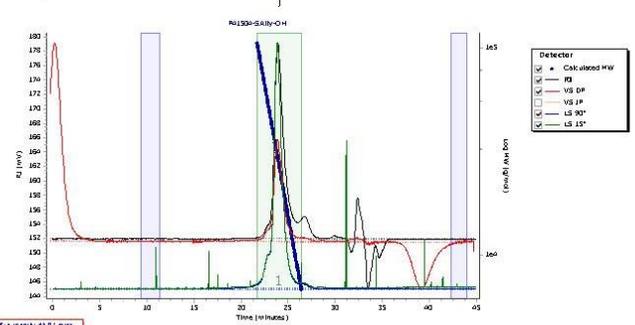


SEC elugram of the Sample:

Agilent GPC/SEC Software

P41504-S-allyl-OH

Chromatogram Plot



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	23160	22317	26673	30976	36120	30194	1.195

