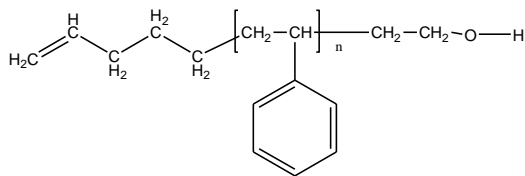


Sample Name:

### Poly(styrene), ( $\alpha$ -allyl, $\omega$ -hydroxy)-terminated

**Sample #: P41504-S-allylOH**

### Structure:



**Composition:**

Mn x 10 <sup>3</sup>	PDI	Functionality %
22.0	1.19	95

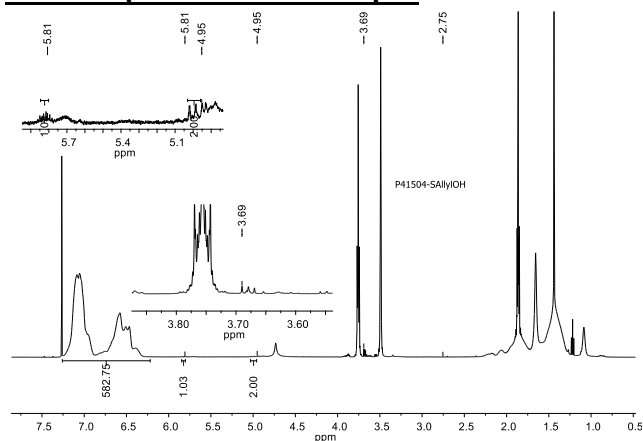
### Synthesis Procedure:

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:**

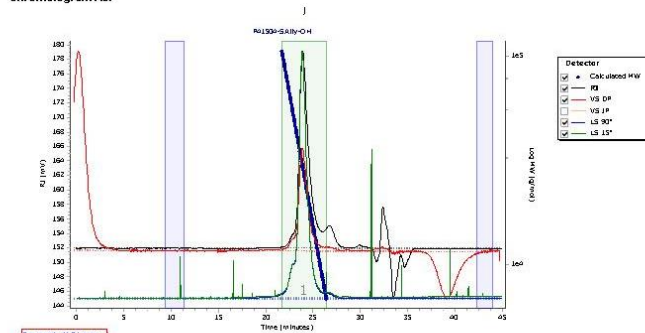


**SEC elugram of the Sample:**

Agilent GPC/SEC Software

P41504-SAlly-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	29160	22317	26673	30978	35120	30194	1.19

