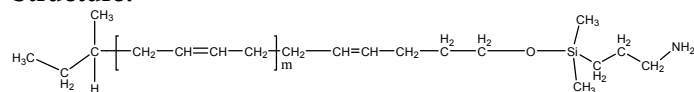


Sample Name: Amino Terminated Polybutadiene,
1, 4- rich microstructure
Sample #: P19355-BdNH₂

Structure:



Composition:

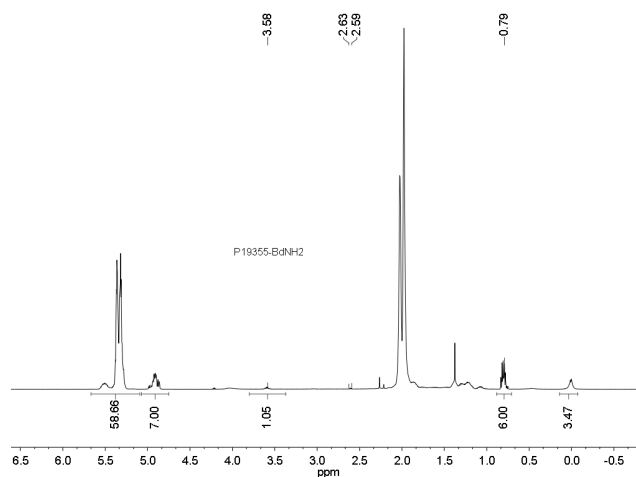
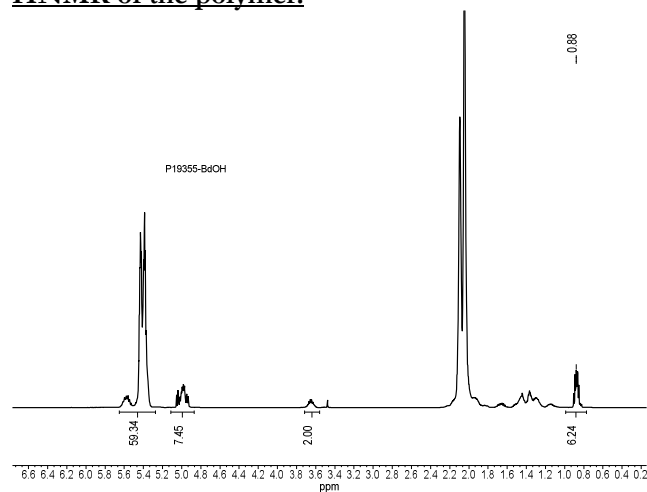
Mn x 10 ³	PDI
2.0	1.03
Functionality	>55%
By titration	> 60%

Synthesis Procedure: by anionic polymerization
Characterization:

The molecular weight and polydispersity index (PDI) are obtained by size exclusion chromatography (SEC) in THF. SEC analysis was performed on a Varian liquid chromatograph equipped with refractive and UV light scattering detectors. Three SEC columns from Supelco (G6000-4000-2000 HXL) were used with triple detectors from Viscotek Co.

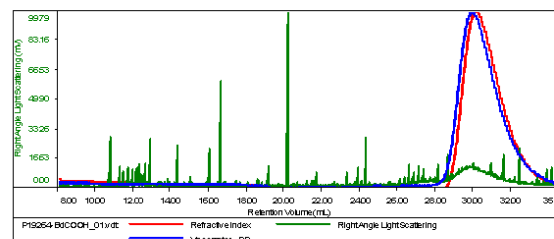
Functionality: The functionality of polymer was determined by the titration with HClO₄ using crystal violet as the indicator

HNMR of the polymer:



GPC of the polymer:

Concentration (mg/mL)	6.6739
Sample divd: (mL/g)	0.1670
MethodFile	PSS0K-April29-2015-0000.vcm
Column Set	3x PL 1113-6300
Solvent	THF



Sample	MW Number Average (Da)	MW Weight Average (Da)	MW at Peak (Da)	Polydispersity	Intrinsic Viscosity (dL/g)
BdCOOH_01.vcl	1,974	2,020	1,985	1.023	0.4351