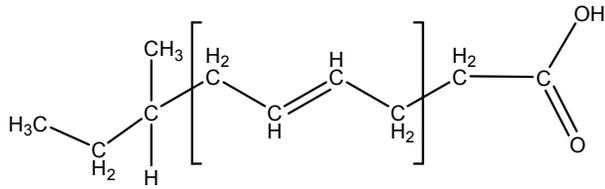


Sample Name: Acetic acid Terminated  
Polybutadiene, 1, 4-microstructure  
Sample #: P19269A-BdCOOH

**Structure:**



**Composition:**

Mn x 10 <sup>3</sup>	PDI
1.9	1.09
1,4 microstructure	62%
End group functionality	>98%

**Synthesis Procedure:** By anionic process

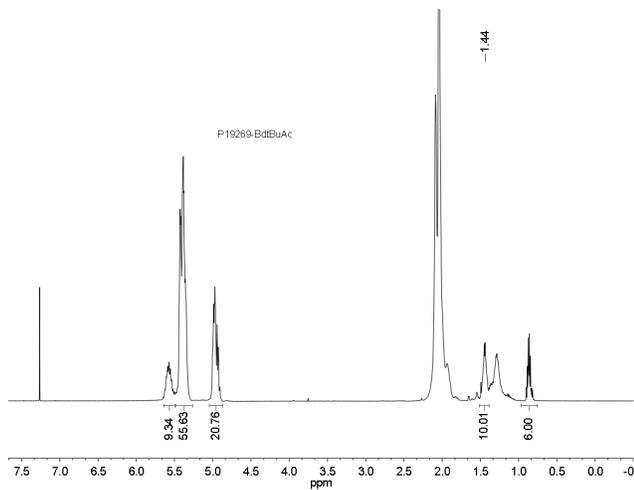
**Characterization:**

By titration, HNMR and GPC.

**Solubility:**

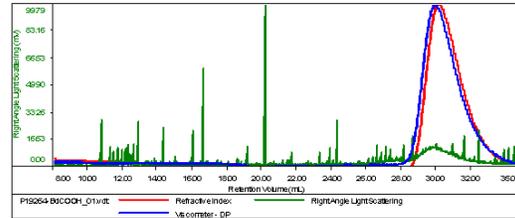
Polymer is soluble in DMF, THF, toluene, hexane, cyclohexane and CHCl<sub>3</sub>.

**HNMR of Sample:**



**SEC of Sample:**

Concentration (mg/mL)	6.6739
Sample chid: (mL/g)	0.1670
Method File	PS80<-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.vct	1,974	2,020	1,985	1.023	0.4351

**After converting tert butyl ester to COOH**  
**SEC elutogram shows broadening; It might be**  
**due to the adsorption of free COOH to the column**  
**packing material.**