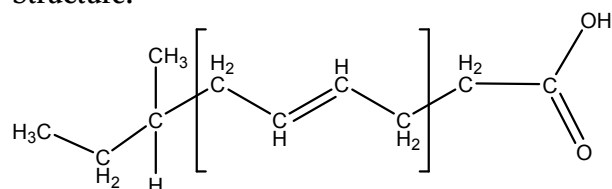


Sample Name: Acetic acid Terminated
Polybutadiene, 1, 4-microstructure
Sample #: P19269A-BdCOOH

Structure:



Composition:

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

Synthesis Procedure: By anionic process

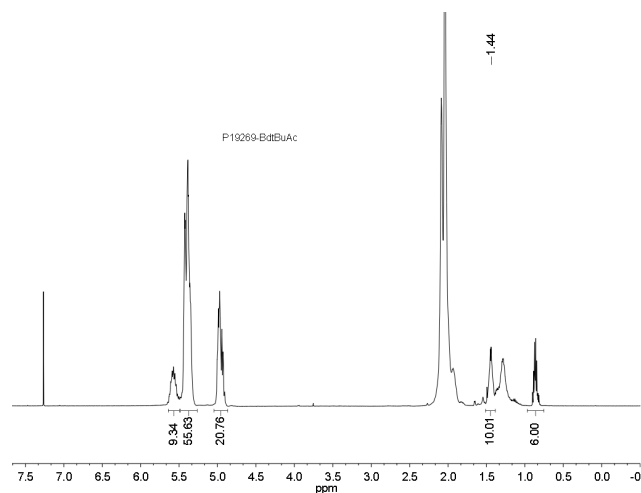
Characterization:

By titration, HNMR and GPC.

Solubility:

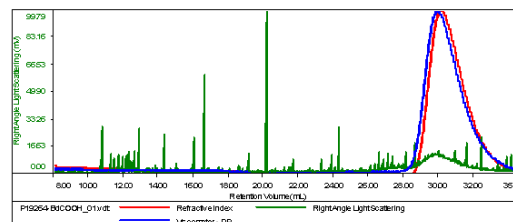
Polymer is soluble in DMF, THF, toluene, hexane, cyclohexane and CHCl₃.

HNMR of Sample:



SEC of Sample:

Concentration (mg/mL)	6.6739
Sample divd: (mL/g)	0.1670
MethodFile	PS80K-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.vst	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.