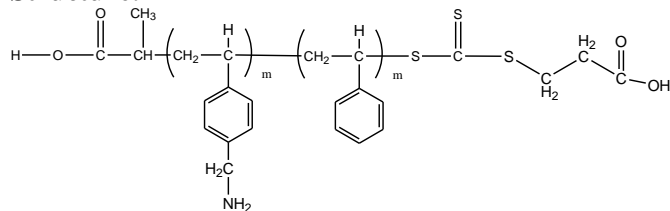


Sample Name:

Poly(4-amino methyl styrene-b-styrene)

Sample #: **P40681-4AMSS**

Structure:

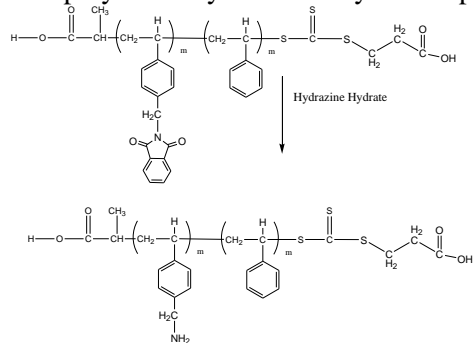


Composition:

Mn x 10 ³ 4AMS-b-S	Mw/Mn (PDI)
5.5-b-9.0	1.10

Synthesis Procedure:

The polymer is synthesized by RAFT process.



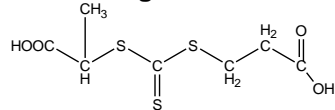
Characterization:

The product was characterized by size exclusion chromatography (SEC) and ¹H NMR.

Partial Solubility:

Polymer soluble in THF

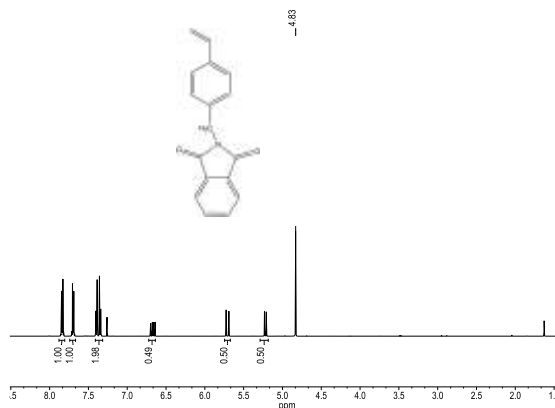
RAFT Reagent used :



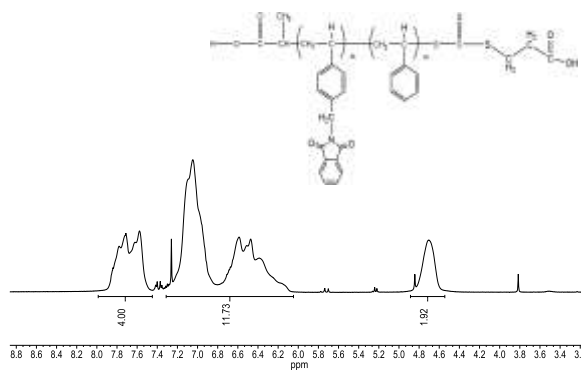
¹H NMR spectrum of the RAFT reagent:



¹H NMR of the Monomer:



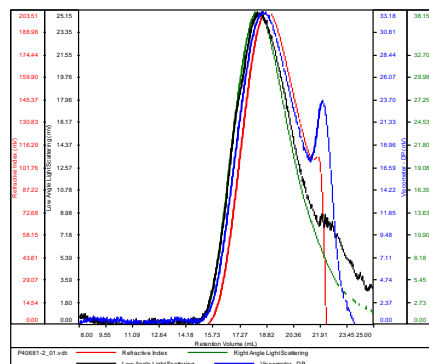
¹H NMR of Poly(4-Vinyl benzyl Phthalimide-b-styrene)



SEC elugram of the block polymer

P40681-4VBPhthim-b-S

Conc	19.1897
dn/dc	0.1650
Solvent	DMF w 0.023M LiBr
Flow Rate	0.7000
Method	PSSiRK_2017-July-20-0000.vcm



Sample	Mn	Mw	Mp	Mw/Mn	IV
P40681-2_01.vul	18,871	20,873	19,278	1.106	7.5231

After hydrolysis the 4VBPhthIM moiety to NH2
Mn 5,500-b-9,000 Mw/Mn 1.10