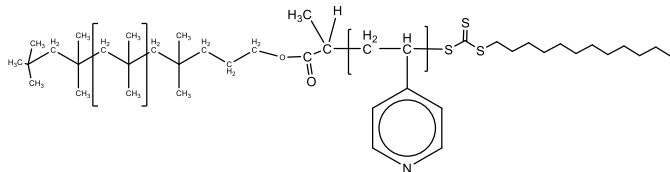


Sample Name:

Poly(isobutylene)-b-poly(4-vinyl pyridine)

Sample #: P42383-IB4VP

Structure:

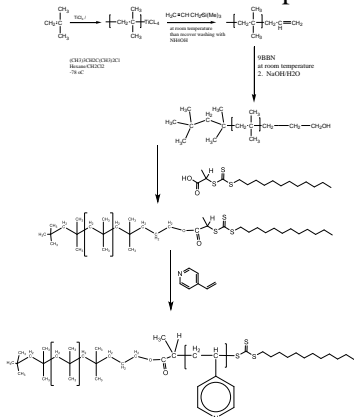


Composition:

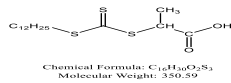
Mn $\times 10^3$	Mw/Mn (PDI)
Ib-b-4VP	
7.0-b-10.0	1.25

Synthesis Procedure:

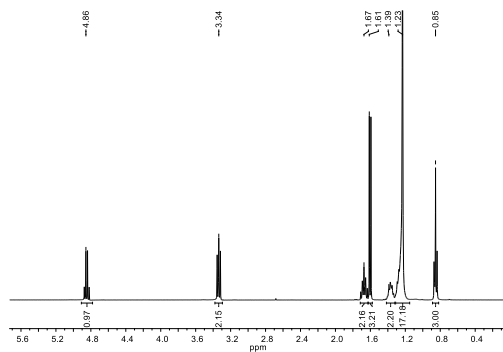
The polymer was synthesized by Cationic and RAFT polymerization process. The following reaction scheme shows how the product was prepared:



RAFT reagent used:



¹H NMR spectrum of the RAFT(CDCl₃):

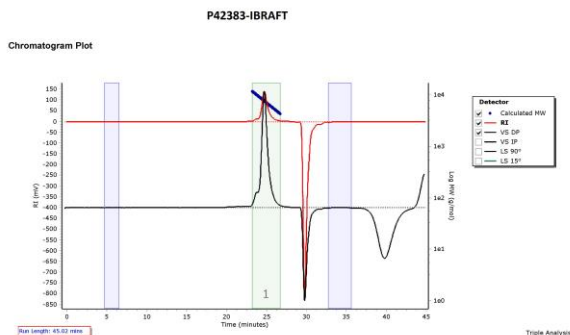


Solubility:

Poly(isobutylene)-b-4VP is soluble in THF, and Chloroform.

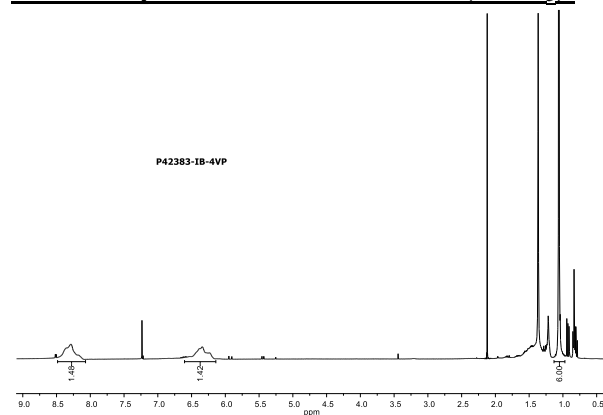
SEC of RAFT IB macroinitiator:

Agilent GPC/SEC Software



Peak	Mp (g/mol)	Mn (g/mol)	Mw (g/mol)	Mz (g/mol)	Mz+1 (g/mol)	Mv (g/mol)	PD
1	7621	7237	7418	7597	7774	7558	1.025

¹H NMR spectrum of the IB-4VP in (CDCl₃):



SEC profile of the Sample:

P42383IB4VP(run in DMF-THF 70:30)

