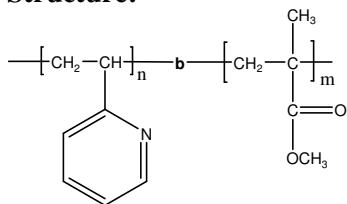


Sample Name: Poly(2-vinyl pyridine-b-methyl methacrylate)

Sample #: P263-2VPMMA

Structure:



Composition:

Mn x 10 <sup>3</sup> 2VP-b-MMA	Mw/Mn (PDI)
29.0-b-9.0	1.34

Synthesis Procedure:

The polymer was synthesized by anionic Process.

Characterization:

The polymer was characterized by GPC and <sup>1</sup>H NMR

Thermal analysis:

Thermal analysis of the samples was carried out on a TA Q100 differential scanning calorimeter at a heating rate of 10°C/min. The midpoint of the slope change of the heat flow plot of the second heating scan was considered as the glass transition temperature (T<sub>g</sub>).

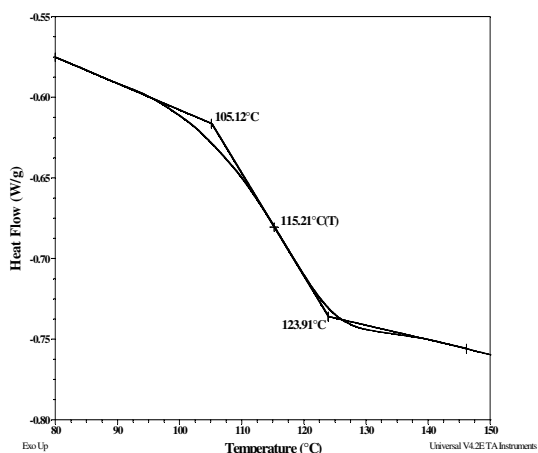
Thermal analysis results at a glance

Sample	T <sub>g</sub> (°C)
2VP (M <sub>n</sub> =30k)	81
MMA (M <sub>n</sub> =21k)	116
2VP block in sample	Not distinct
MMA block in sample	115

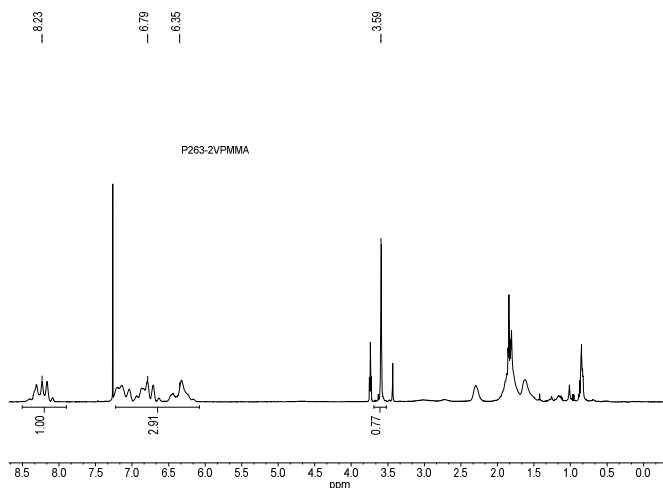
Solubility:

Poly(2-vinyl pyridine-b-methyl methacrylate) is soluble in THF, CHCl<sub>3</sub> and dioxane.

Thermogram for the sample:



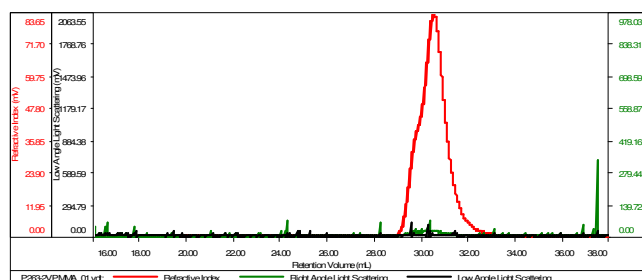
<sup>1</sup>H NMR spectrum of the block copolymer:



SEC elugram of Sample of the block copolymer:

Sample ID-P263-2VPMMA

Concentration (mg/mL)	0.6080
Sample dn/dc (mL/g)	0.1100
Method File	PS80K-March2016-0001.vom
Column Set	3x PL 1113-6300
Solvent	THF



Sample	Mn (Da)	Mw (Da)	Mw/Mn	IV (dL/g)	Rh (nm)	Rel Vol (mL)
P263-2VPMMA_01.vd	38,185	51,222	1.341	0.8940	11.10	30.510