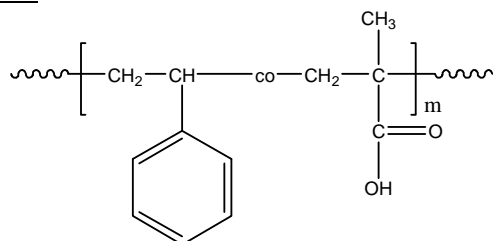


Sample Name: Random copolymer Poly(styrene-co-methacrylic acid)

Sample # P14776B-SMAAran

Structure:



Composition:

Mn x 10 ³ PS-co-PMAA	PDI
59.5	1.4
PS (mol%):	99

Synthesis Procedure:

The polymer was prepared by controlled radical (RAFT) process.

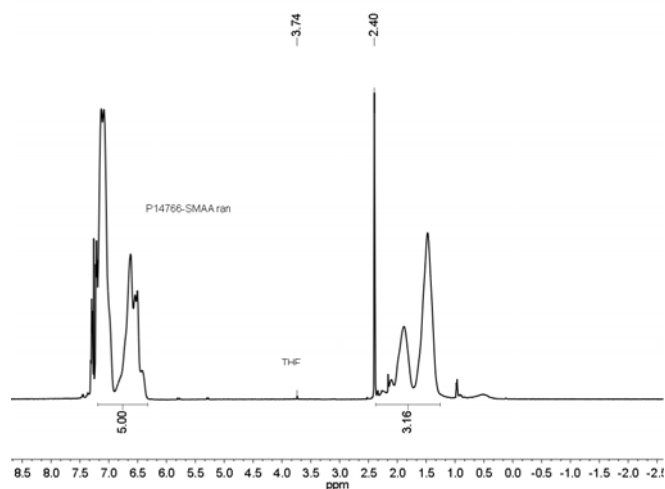
Characterization:

The copolymer composition was determined from ¹H-NMR spectroscopy. The molecular weight and polydispersity index were determined by size exclusion chromatography (SEC) THF at 35°C.

Solubility:

The polymer is soluble in acetone; and insoluble in ether, hexane.

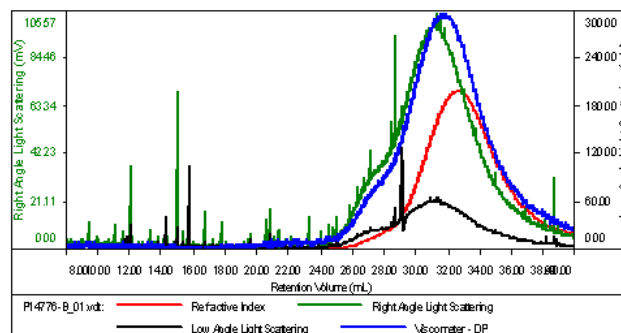
¹H NMR spectrum (500 MHz, CDCl₃):



SEC elugram:

Sample ID: P14776B-SMAAran

Concentration (mg/mL)	16.2066
Sample dn/dc (mL/g)	0.1880
Method File	PS80-august 12-2014-0000.vcm
Column Set	3x PL 1113-6300
Solvent	THF



Sample	Mn	Mw	Mp	Mw/Mn	IV
P14776B_01.vdt	59,420	82,765	60,958	1.398	0.2871

