

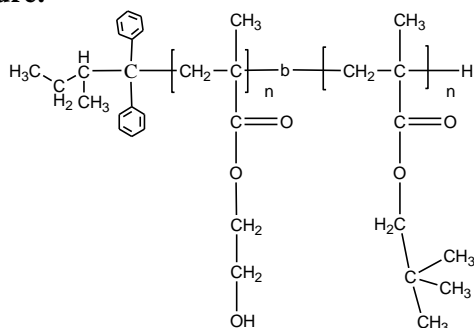
Sample Name:

Poly(-[2-hydroxyethyl methacrylate])-b-neopentyl methacrylate)

Sample #: **P19491-HEMANPMA**

Lot#: **42728**

Structure:



Composition:

Mn × 10 ³ HEMA-NPMA	Mw/Mn
6.0-b-160.0	1.20

HEMA:NPMA	5:95 molar ratio
T _g for NPMA block:	119°C

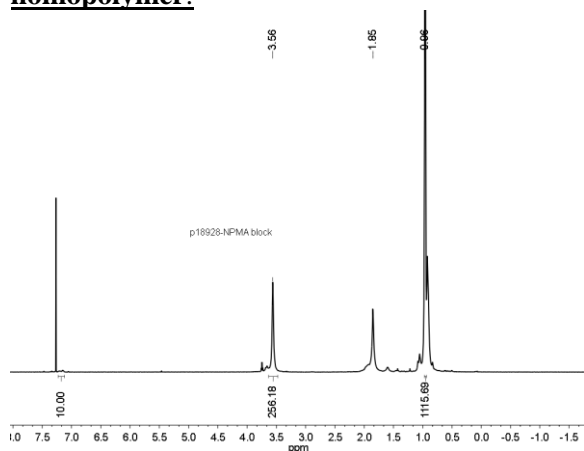
Synthesis:

The diblock copolymer was synthesized by anionic polymerization process.

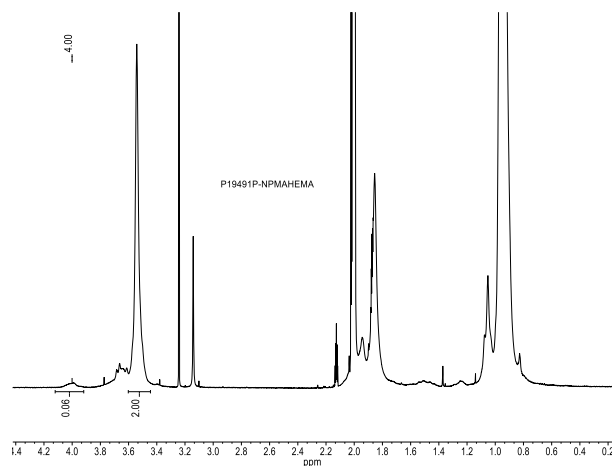
Characterization:

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

¹H-NMR spectrum (500 MHz, CDCl₃) of NPMA homopolymer:



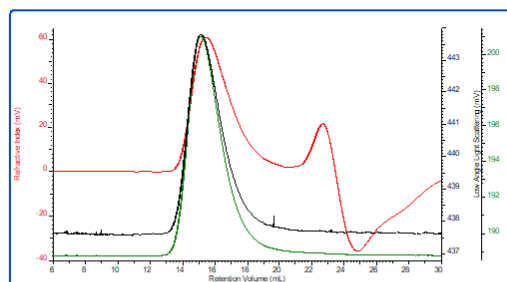
¹H-NMR spectrum (500 MHz, acetone-d₆) of NPMA-HEMATMS:



SEC elugram of the polymer:

P42728-HEMANPMA

dn/dc	0.0570
Flow Rate	0.7000
Solvent	DMF with LiBr
Method	PSS column-PMMA60K-Jan3-2019-0016.vcm



Sample	Mn	Mw	Mp	Mw/Mn
P42728-HEMANPMA	160,734	190,242	200,785	1.184