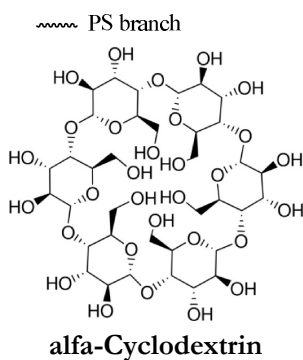
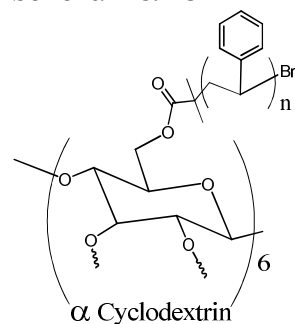


Sample Name: P20132-13S

Star like Polystyrene bearing α -Cyclodextrin as a core

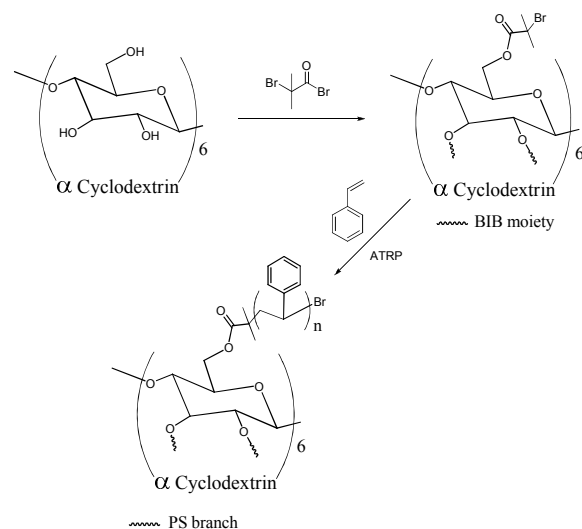
Average number of arms: 13



Mn x 10 ³ (total)	PDI
83.0	1.37
Branch molecular weight 6.5	1.46

Synthesis Procedure:

By ATRP Process:



Scheme 1.

Characterization:

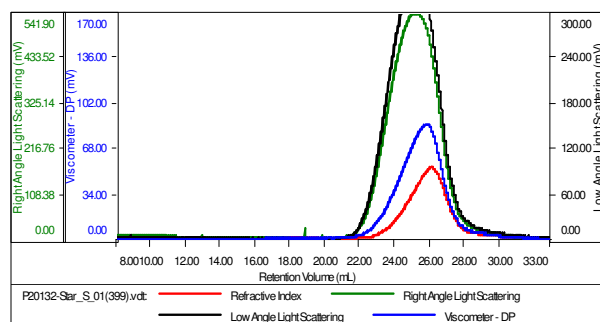
Size exclusion chromatography (SEC): The absolute molecular weight of the star-like polymer was determined by light scattering detector-Viscotek 270 model.

The molecular weight of each arm was determined after a complete hydrolysis of the product in basic conditions.

SEC:

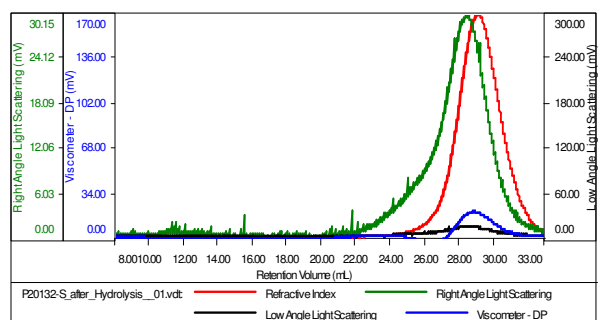
Sample ID: P20132-S Star Cyclydextran as core

Concentration (mg/mL)	32.9015
Sample dn/dc (mL/g)	0.1850
Method File	PS80K-1028-2014-0000.vcm
Column Set	3x PL 1113-6300
Solvent	THF



Sample	MW Number Average (Da)	MW Weight Average (Da)	MW at Peak (Da)	Polydispersity	Intrinsic Viscosity (dL/g)
P20132-Sar_S_01(399).vdt	82,606	112,953	73,158	1.367	0.1557

Concentration (mg/mL)	20.7274
Sample dn/dc (mL/g)	0.1850
Method File	PS80K-1028-2014-0000.vcm
Column Set	3x PL 1113-6300
Solvent	THF



Sample	MW Number Average (Da)	MW Weight Average (Da)	MW at Peak (Da)	Polydispersity	Intrinsic Viscosity (dL/g)
P20132-S_ar_Hydrolysis_01.vdt	6,501	9,488	7,000	1.459	0.0472