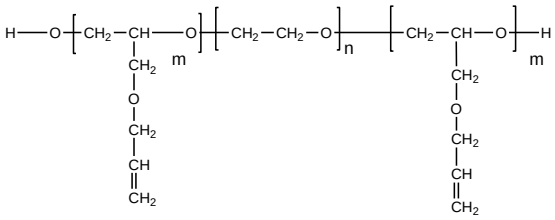
Sample Name: **Poly (Allyl Glycidyl ether-b-ethylene oxide-b- Ally Glycidyl ether)**

Sample #: **P41120-AGE-EO-AGE**

Structure:



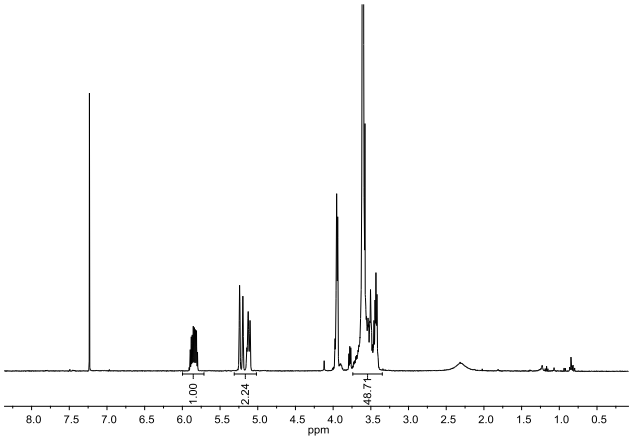
Composition:

Mn x 10^3	PDI
2.0-b-19.5-2.0	1.05

Synthesis Procedure:
The polymer was synthesized by anionic polymerization process.

Characterization:
The molecular weight and polydispersity index of this polymer were determined by size exclusion chromatography (SEC) using a Varian liquid chromatograph equipped with a UV and refractive index detector.

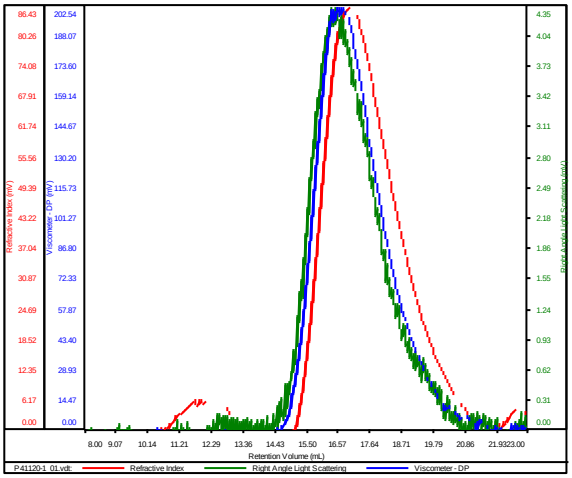
^{1}HNMR for the polymer:



SEC elugram of EO block:

P41120-1

Conc	23.7459
dn/dc	0.0400
Solvent	DMF w 0.023M LiBr
Flow Rate	0.7000
Method	PS-80k_2018-04-02-0000.vcm

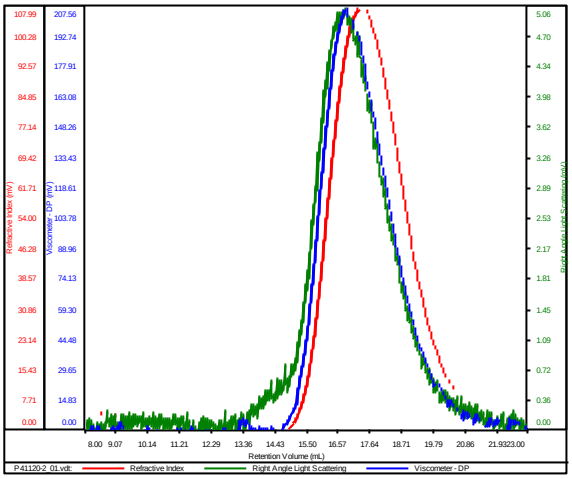


Sample	Mn	Mw	Mp	Mw/Mn	IV
P41120-1_01.vdt	19,479	22,129	22,764	1.136	0.2591

SEC elugram of the Sample:

P41120-2

Conc	41.0216
dn/dc	0.0300
Solvent	DMF w 0.023M LiBr
Flow Rate	0.7000
Method	PS-80k_2018-04-02-0000.vcm



Sample	Mn	Mw	Mp	Mw/Mn	IV
P41120-2_01.vdt	25,216	28,882	27,465	1.145	0.1587