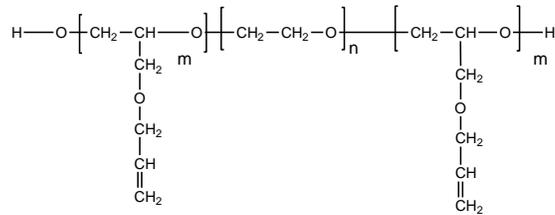


**Sample Name:** Poly (Allyl Glycidyl ether-b-ethylene oxide-b- Ally Glycidyl ether)

**Sample #:** P41133-AGE-EO-AGE

**Structure:**



**Composition:**

|                      |      |
|----------------------|------|
| Mn x 10 <sup>3</sup> | PDI  |
| 1.3-b-19.5-b-1.3     | 1.14 |

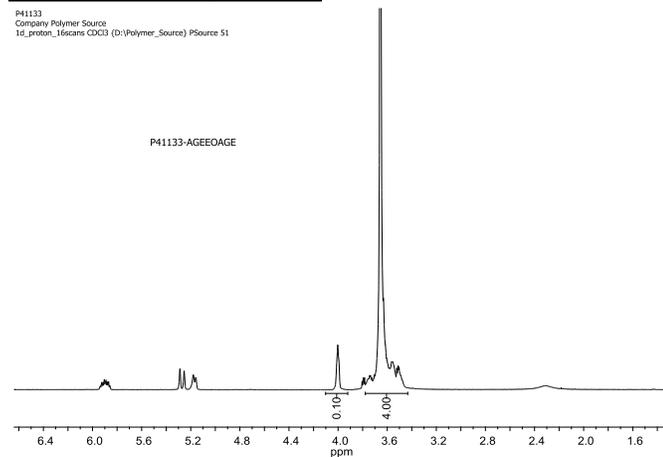
**Synthesis Procedure:**

The polymer was synthesized by anionic polymerization process.

**Characterization:**

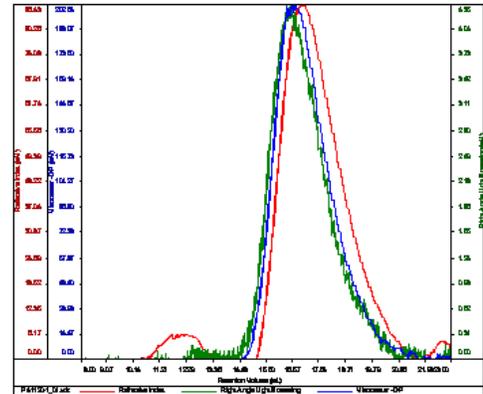
The molecular weight and polydispersity index of this polymer were determined by size exclusion chromatography (SEC) using a Varian liquid chromatograph equipped with a UV and refractive index detector.

**<sup>1</sup>HNMR for the polymer:**



**SEC elugram of EO Block:**

|           |                             |
|-----------|-----------------------------|
| Date      | 23.7.2023                   |
| Sample    | D.0403                      |
| Detector  | DMF w/ D.0328M UBr          |
| Flow Rate | 0.7000                      |
| Method    | PR-SEC_2019-04-02-0000.urom |



| Run # | Mn     | Mw     | Mp     | Mw/Mn | IV     |
|-------|--------|--------|--------|-------|--------|
|       | 19,479 | 22,129 | 22,764 | 1.136 | 0.2591 |