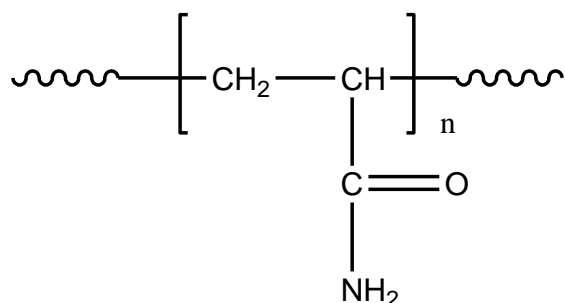


Sample Name: Poly (Acrylamide)

Sample #: P41557-AMD

**Structure:**



**Composition:**

Mn × 10 <sup>3</sup>	Mw/Mn (PDI)
1,226.0	1.10
T <sub>g</sub> (°C)	184

**Synthesis Procedure:**

Poly (Acrylamide) was synthesized by controlled radical polymerization process.

**Characterization:**

The polymer was characterized by size exclusion chromatography (SEC) using State-of-the-art Agilent Technologies 1260 Infinity II GPC system Equipped with triple detector:

**Solvent (mobile phase)** 2% acetic acid in Millipore water

**Filtration:** 0.45 µNylon Syringe Filter

**Columns:** Agilent three columns

**Flow Rate:** 1 ml/min

**Injection Volume:** 100 µL

**Column Temperature:** 30 °C

**Calibration of Instrument using PEO polymer.**

**Note:** Polyacrylamide bearing Mw > 1M are difficult to filter therefore this equipment is highly sensitive where less than 1mg/ml polymer solution can be detected by triple detector.

**Solubility:**

Polymer is soluble in water.

**SEC Profile of the Polymer:**

Agilent GPC/SEC Software

