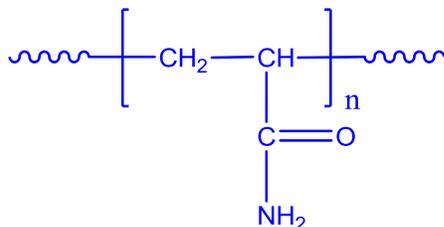


Sample Name: Poly (acrylamide)

Sample #: P16208-AMD

Structure:

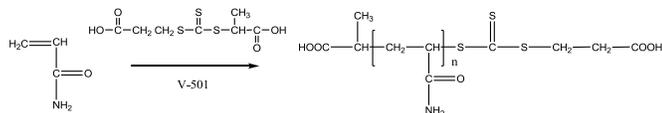


Composition:

$M_n \times 10^3$	Mw/Mn (PDI)
5.0	1.12

Synthesis Procedure:

Poly(acrylamide) is synthesized by RAFT polymerization of acrylamide using 4,4'-azo(4-cyanopentanoic acid) as initiator and trithiocarbonate as chain transfer agent in the mixture of water/isopropanol.



Characterization:

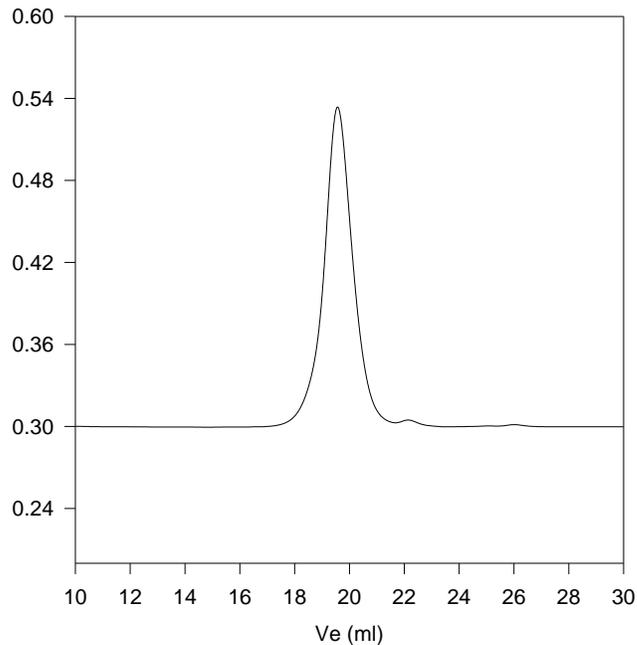
Polyacrylamide was analyzed by size exclusion chromatography (SEC) to obtain the molecular weight and polydispersity index (PDI) using water containing 0.1M NaNO₃ as an eluent and PEG as a standard.

Solubility:

The polymer is soluble in water.

SEC of the polymer:

P16208-AMD



Size Exclusion Chromatography of Poly(acrylamide)

$M_n=5000$, $M_w=5600$ Mw/Mn=1.12(using PEG as standard)