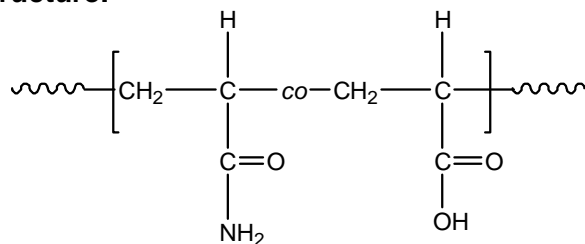


Sample Name: Random Copolymer
Poly(Acrylamide-co-Acrylic Acid)

Sample #: P14812A-AMDAAran

Structure:



Composition:

Mn x 10 ³	PDI
140.0	1.5
Ratio AMD:AA	90:10

Synthesis Procedure:

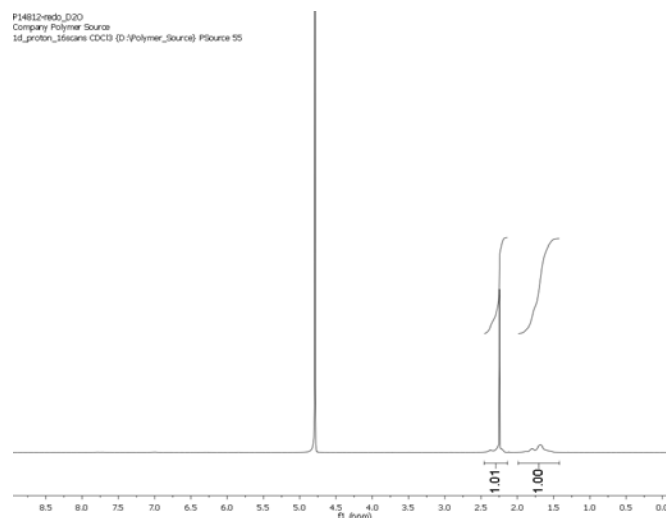
The polymer was prepared by RAFT process.

Characterization:

The molecular weight and polydispersity index (PDI) were calculated by size exclusion chromatography (SEC) using water buffer solution (0.05M NaHCO₃; 0.1M NaNO₃; 0.02M triethanol amine; 0.03% NaN₃) as an eluent and TSK 3300SWXL cat# 08541 column.

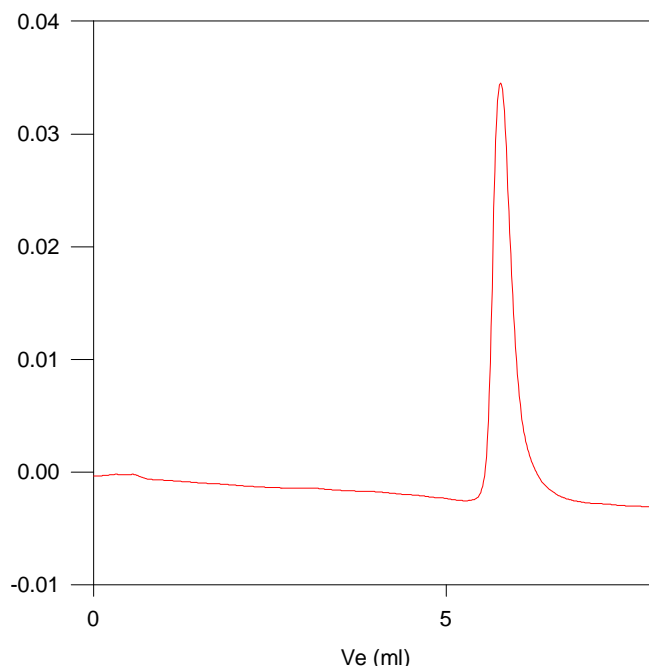
The copolymer composition was calculated by acid base titration.

¹H NMR spectrum (500MHz, D₂O):



SEC elugram:

P14812-AMDAAran



Size exclusion chromatograph of random copolymer of Acrylamide and acrylic acid:

M_n = 140,000 Mw: 210,000 Mw/Mn 1.5