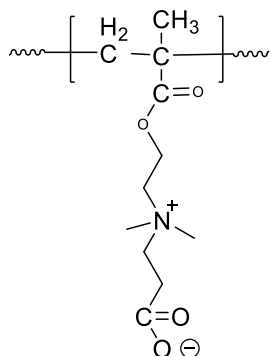


Sample Name:
Poly(carboxybetaine methacrylate)
(CBMA) based on (N,N-dimethylaminoethyl methacrylate)

Sample #: **P45514-CBMA**

Structure:



Composition:

$M_n \times 10^3$	PDI
98.0	1.38

Synthesis Procedure:

The polymer was synthesized by RAFT polymerization process.

Characterization:

The product was characterized by size exclusion chromatography (SEC) and ^1H NMR data analysis.

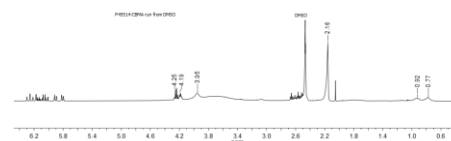
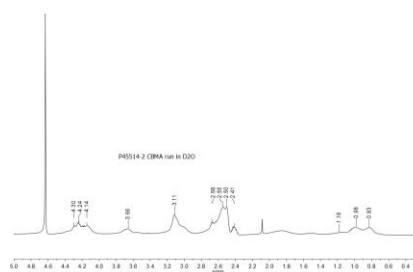
Solubility:

Polymer is soluble in water.

In soluble in methanol-Cloudy suspension

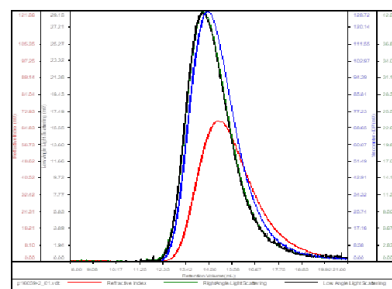
In DMSO partially soluble

^1H NMR spectrum of the polymer run in D₂O:



SEC elugram of Homopolymer:

P45514-CBMA run in DMF



Sample	Min	Mid	Max	Min/Max	SI
1	17.7564	15.53631	13.7464	1.367	0.41296