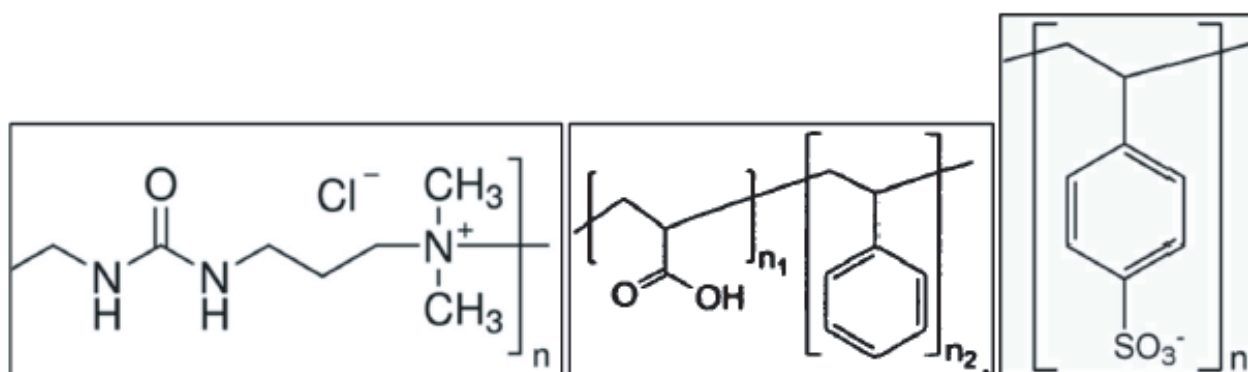


GPC Analysis Service: Aqueous Polymers

• Aqueous GPC Services

Our GPC laboratory was accredited as an ISO/IEC 17025 and has over 20 years of experience in GPC analysis for chemical registration and R&D. We strictly follow global testing standards such as ASTM D5296. In addition to Water (Aqueous), we offer analysis in various mobile phases including THF, Chloroform, DMF, NMP, TCB, and HFIP.

Essential for polymers used in chemicals, food, pharmaceuticals, and biotech, such as Hyaluronic Acid, Polyglutamic Acid, and DNA. Aqueous GPC is known for its high complexity. We provide the optimal solution for comparing molecular weight distributions, helping you select the best materials and ensure product quality.



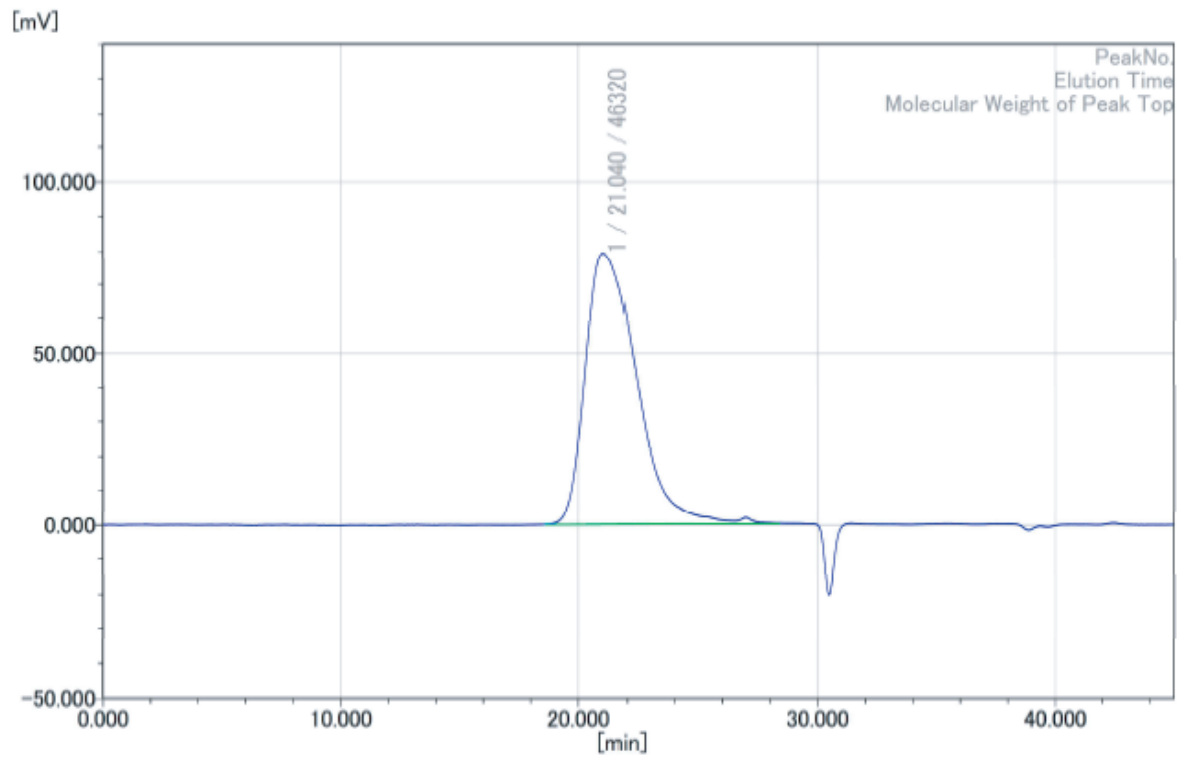
<Examples of aqueous polymers>

• Water-Soluble Polymers

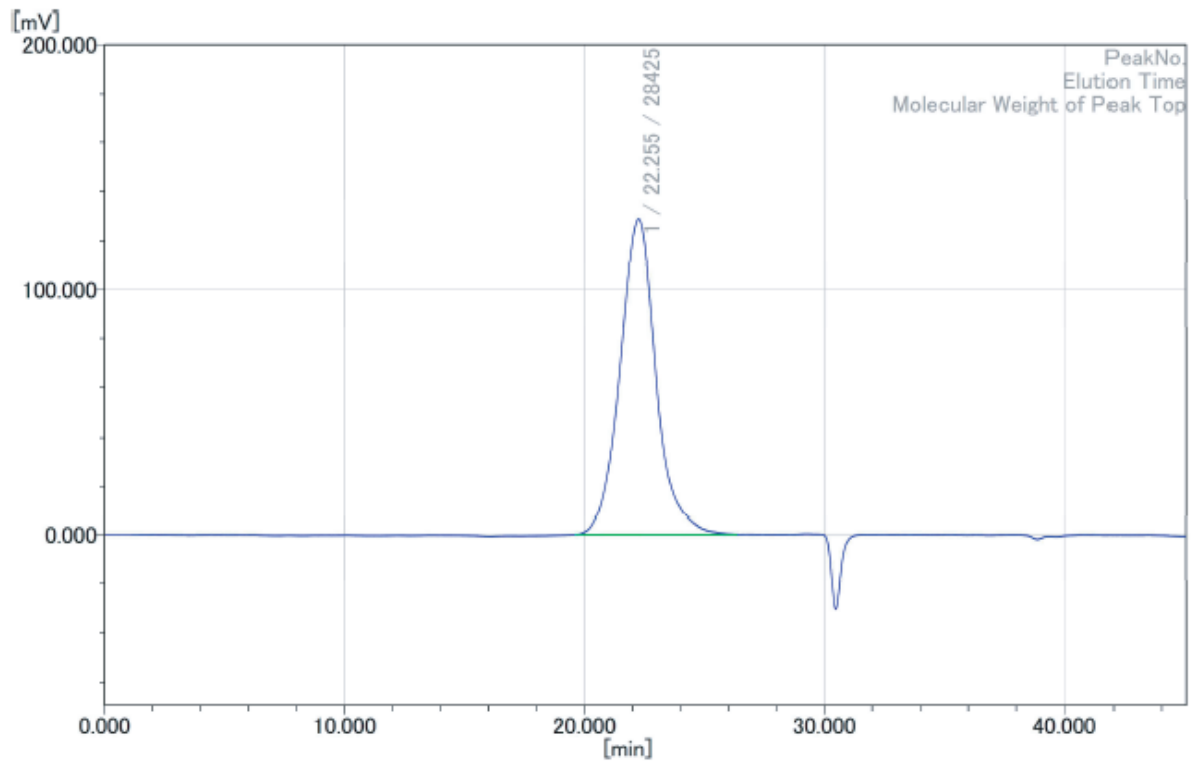
Type	Examples
Nonionic (hydrophilic)	Polyethylene glycol (PEG)
Anionic (Hydrophilic)	Sodium hyaluronate, Sodium alginate, Carboxymethyl cellulose, Polyacrylate,
Anionic (Hydrophobic)	Polystyrene sulfonic acid (PSS)
Cationic (Hydrophilic)	Polyethyleneimine (PEI)
Cationic (Hydrophobic)	Poly(4-vinylbenzyltrimethylammonium chloride)
Amphoteric (Hydrophilic)	DNA
Amphoteric (Hydrophobic)	Gelatin

- **Practical Examples: Aqueous GPC Analysis Data**

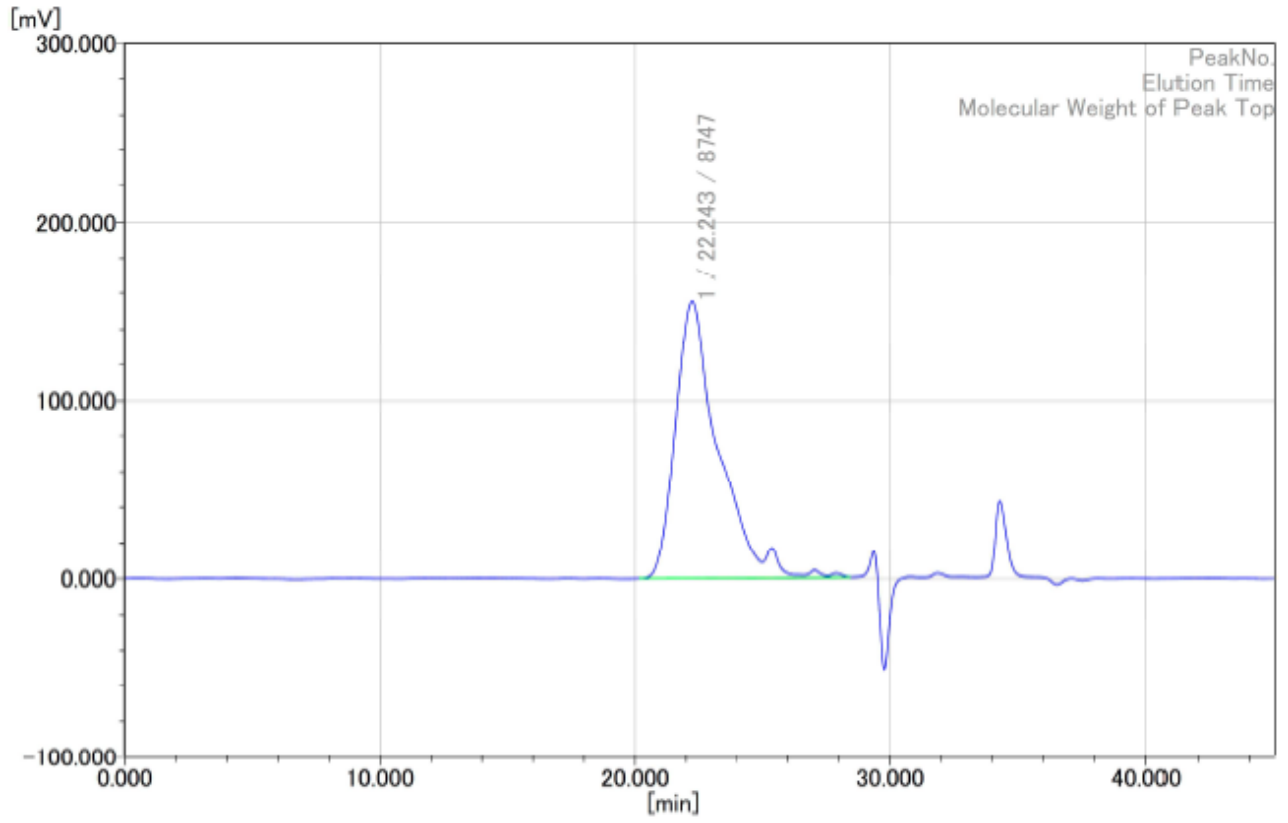
Aqueous GPC Chromatogram of Polyvinyl Alcohol (PVA)



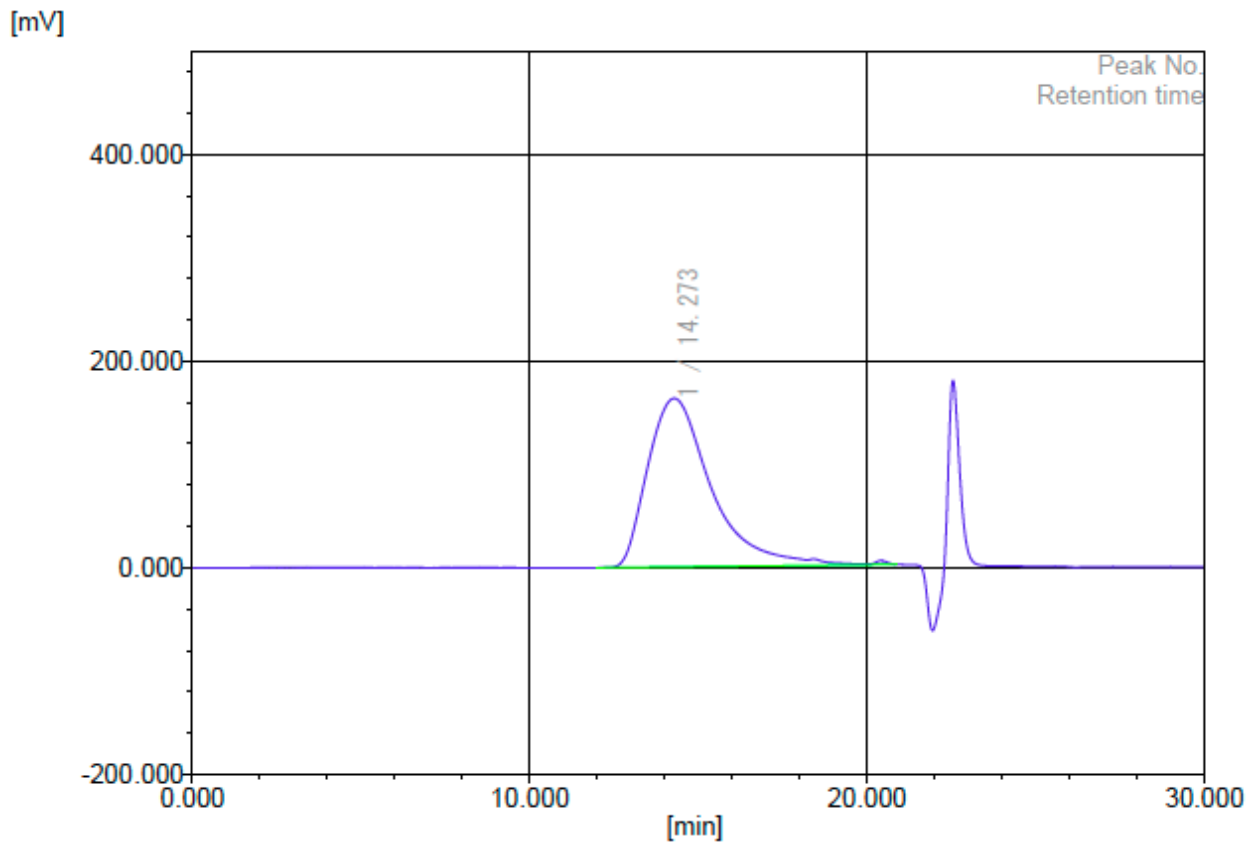
Aqueous GPC Chromatogram of Polysaccharides



Ammonium (Acrylic Acid-Styrene) Copolymer



Aqueous GPC Chromatogram of Polystyrene Sulfonic Acid



Aqueous GPC Chromatogram of Polyvinylimidazole

