



### Polymer Description and Applications

Polymer	Part Number	Cross-linkage	Particle Size	Cationic Form	MW Exclusion Limit	Wet Capacity (meq/ml)	Nominal Density (g/ml)
BP-100, Ca <sup>++</sup>	4100-0	6	10	Calcium	1200	1.4	0.8
BP-100, H <sup>+</sup>	4110-0	6	10	Hydrogen	1200	1.4	0.8
BP-100, Na <sup>+</sup>	4120-0	6	10	Sodium	1200	1.4	0.8
BP-100, Pb <sup>++</sup>	4130-0	6	10	Lead	1200	1.4	0.8
BP-100, Ag <sup>+</sup>	4140-0	6	10	Silver	1200	1.4	0.8
BP-100, K <sup>+</sup>	4150-0	6	10	Potassium	1200	1.4	0.8
BP-200, Ca <sup>++</sup>	4200-0	4	20	Calcium	1400	1.1	0.8
BP-200, Na <sup>+</sup>	4210-0	4	20	Sodium	1400	1.1	0.8
BP-200, Ag <sup>+</sup>	4240-0	4	20	Silver	1400	1.1	0.8
BP-OA	4300-0	8	10	Hydrogen	1000	1.7	0.8
BP-RA	4310-0	8	10	Hydrogen	1000	1.7	0.8

Polymer	Part Number	Typical Applications
BP-100, Ca <sup>++</sup>	4100-0	Sweetener analysis, monosaccharides, high fructose corn syrup, di-, tri, and tetrasaccharides, sugar alcohols, mannitol and sorbitol
BP-100, H <sup>+</sup>	4110-0	Fermentation monitoring, monosaccharides in solutions with carboxylic acids, organic acids, fatty acids, and alcohols, wine and beverages
BP-100, Na <sup>+</sup>	4120-0	Carbohydrate analysis with high-salt concentrations such as molasses
BP-100, Pb <sup>++</sup>	4130-0	Cellulose-derived monosaccharides, pentoses and hexoses from wood products, dairy products (sucrose, lactose, fructose)
BP-100, Ag <sup>+</sup>	4140-0	Oligosaccharide analysis up to DP6 (degrees of polymerization)
BP-100, K <sup>+</sup>	4150-0	Mono-, di-, trisaccharide analysis in corn syrup and brewing wort samples, glucose, maltose, maltotriose, betaine.
BP-200, Ca <sup>++</sup>	4200-0	Oligosaccharide analysis up to DP10, mono- and disaccharides in starch hydrolysates
BP-200, Na <sup>+</sup>	4210-0	Oligosaccharide analysis up to DP11 in samples containing salt
BP-200, Ag <sup>+</sup>	4240-0	Oligosaccharide analysis up to DP11
BP-OA	4300-0	Organic acids in dairy products, food additives, flavor indicators, food stability, vitamin content, ascorbic acid, and nutritional analysis
BP-RA	4310-0	Rapid screening of fruit samples such as grape must, ethanol, acetic acid, glycerol, fructose, glucose