

fields such as domestic application, in aerospace, etc. Alginates are simply anionic polysaccharides in linear form. It is also called as alginic acid. But sometimes all derivatives of alginic acid are also called alginates. They are renewable polymers with two monomers.

3.2 Structure

Monomers are structures composed of six members where five are carbon atoms and one is oxygen. These monomers are also called pyranoses. These are composed of $\beta(1-4)$ d-mannuronic acids and its C-5 epimer α -l-guluronic acid (G) as shown in Figure 3.1. This structure is arranged in a block form

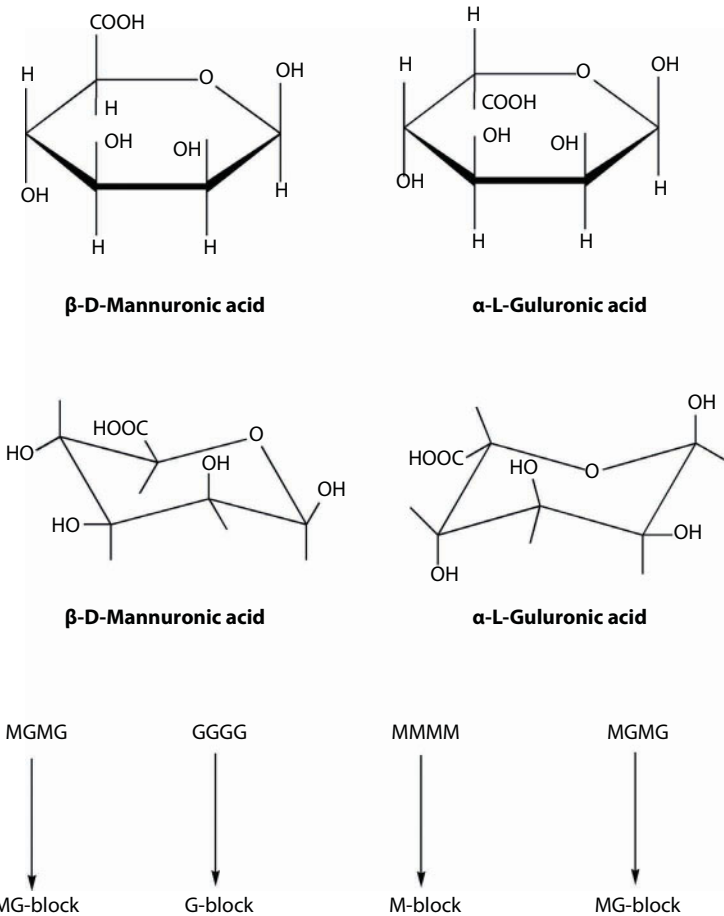


Figure 3.1 Alginate monomers in block distribution.