

13.2 Alginates in Agricultural Marketing

Alginates have been approved by the FDA in the group of compounds that are used for oral applications. Alginates are nontoxic and biodegradable when applied orally, but when taken intravenously, they were found to cause several immunogenic ailments [6]. However, they are approved by several food committees for consumption. Table 13.1 demonstrates the approval of alginates by various food committees around the world.

Table 13.1 clearly depicts that all forms of alginate have been approved in several nations of the world. As mentioned earlier, they have also been used in food as thickeners, stabilizers, emulsifiers, gelling agents, etc.

Table 13.1 Approval of alginates by various food committees.

Name of food committee	Code	Type of alginate	Reference
European Economic Community	400	Alginic acid	[7]
	401	Sodium alginate	
	402	Potassium alginate	
	403	Ammonium alginate	
	404	Calcium alginate	
	405	PGA	
Code of Federal Regulations	9005-38-3	Sodium alginate	[8]
	9005-30-0	Calcium alginate	
Japanese Agricultural Standard	INS 401	Sodium alginate	[9]
	INS 400	Alginic acid	
FAO/WHO–Codex Alimentarius–International Food Standards	INS 400	Alginic acid	[10]
	INS 401	Sodium alginate	
	INS 402	Potassium alginate	
	INS 403	Ammonium alginate	
	INS 404	Calcium alginate	

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