



Ice Cream



Hair Gel



Lactic Drink



Sauce

Sodium Alginate



An ISO 22000:2018 Co

Company Profile

Established in 1982 Marine Hydrocolloids is India's largest manufacturer & exporter of Agar Agar (Powder & Strips), and also offers Spreadable Agar Agar branded as Wondergel, Carrageenan and Alginates. We offer different grades of these products to cater to industries ranging from Food, Confectionery, Bakery, Dairy to Cosmetics, Personal Care, Plant Tissue Culture, Dehydrated Culture media, Microbiology, Dental Castings and Pharmaceuticals.

Our four-decade long legacy has equipped us with the know-how that has constantly kept us on our toes to meet the demands of the changing nature of consumption.



Sea Weed

Sodium Alginate is the sodium salt form of alginic acid mainly extracted from the cell walls of brown algae, with chelating activity. Alginates are known for their liquid-gel behavior in aqueous solutions. It is also widely used in molecular gastronomy. It is a white powder, odourless and tasteless, slowly soluble in water forming a viscous solution.

Storage

Store in a cool and dry place. Keep away from moisture. Keep the packet tightly closed after use. Shelf life: 2 years

Packaging

1-5, 10, 15, 20, 25 Kg Corrugated Cartons
25 Kg Fibre Board Drum
100 gm & 500 gm Paperboard Containers



Molecular Spherification

Properties

- Easily soluble in water forming viscous solution, mainly used as food additive.
- Acts as a good stabilizer, thickener and emulsifier, widely used in cold beverages.
- Helps lower blood pressure, fat and cholesterol and prevents fatty liver.
- Reduces constipation effectively and helps lose weight.



Noodles



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Applications



Lotion



Yoghurt



Impression



Face Cream

Pharmaceuticals

Pharma grade Sodium Alginate and Alginic Acid is widely used in pharmaceutical preparations, tissue engineering, clinical treatment and cell culture, because of its exclusive physicochemical property and favorable biocompatibility. It is usually used as microencapsulated material and cold resistant agent for cells. It can lower blood sugar, function as antioxidant and help increase immunological competence. It is also used in gel matrix tablets because of gel character and intestinal absorption tablets disintegrate because of its pH sensitivity.

In addition, Sodium Alginate can be used as thickening agent for external ointments, oral tablets for increasing viscosity and forming gel barrier, thus prolonging the drug release time and reduce adverse reactions. It is also added in antibiotic, insulin and hormone drug solution.

Food Industry

Sodium Alginate is a highly viscous purified product used as food additive. Alginate has an excellent functionality as thickening agent, gelling agent, emulsifier, stabilizer and texture improver (for Noodles) to enhance the quality of food. Alginate is also used in Vegan meat, Noodles, Ice Creams, Lactic Drinks, Breads, Puddings, Yogurts, Sauce, Cookies, Desserts, Jelly, Cheese, Spherification, etc.

Impressions

Sodium Alginate can react with calcium salts forming a heat - irreversible gel. It is widely used in impression material (Dental, Hand and Leg, study models, portraits etc). Normally for impression material Sodium Alginate is mixed with Calcium Sulfate (Gypsum), Tri Sodium Phosphate, Diatomaceous earth, Zinc Oxide, Potassium Titanium Fluoride etc.

Alginate impression materials are easy to use, less expensive, with quick setting time. It has low water content, steady viscosity and long shelf life. Alginates fine particle size makes impression surface smooth and thus more identical to the original mould.

Cosmetics

Sodium Alginate is compatible with a variety of emulsifiers and other skin ingredients. It is an excellent carrier for antioxidants and other anti - aging ingredients, and offers a heightened skin feel. Sodium Alginate will help to soften, hydrate and soothe skin and leave it feeling silky and soft. It is used to create a skin care serum or hair gel using water, infusions, distillates and water-soluble extracts etc.