



SNAP NATURAL AND ALGINATE PRODUCTS PVT. LTD.

Established in 1979 in Ranipet, Tamil Nadu, India, we are the largest processor of Natural Seaweed based products in India.



Established in 1979, largest processor of Natural Seaweed based products in India



Sargassum wightii (Brown Algae), collected from natural beds at Ramanathapuram. Collect **15,000 MT** of wet weeds per year



Eucheuma Cottonii (Red Algae), cultivated in sea. Have **500 rafts**



7 Acre site in Tirupallani (near sea shore) for post processing of Seaweed



12 Acre manufacturing site in Ranipet, Tamil Nadu

We manufacture Natural Seaweed based products

- **Alginates** manufactured from Sargassum Wightii (Brown Algae)
 - Food, Pharmaceutical & Industrial grade
- **Carageenan** manufactured from Eucheuma Cottonii (Red Algae)
 - Food grade
- **Specialized Blends** for Icecream and Dairy Industry
- **Agriculture & Aquaculture Inputs** manufactured from pure seaweed extract




Alginates manufactured from Sargassum

- Started with textile grade Alginate, main competitor was Chinese material.
- Unable to match viscosity since Chinese use Lameneria weeds.
- Sargassum weeds however give excellent Gel strength making it ideal for food and pharmaceutical industry.





Alginate usage in Pharmaceutical Industry





Type of Drug	Property of Alginate	Prominent Clients
Antacids	<ul style="list-style-type: none"> • Forms a raft layer (gel) in the stomach so the acids will not reflux • Alginate also has wound healing properties and is known to heal stomach ulcers 	
Crocin Advance	<ul style="list-style-type: none"> • Enables quick action – faster reduction in temperature (fever) • Soothes the stomach 	
Heart medication	<ul style="list-style-type: none"> • Sustained release drug 	
Other	<ul style="list-style-type: none"> • Wound healing • Dental impression material • Cosmetics – Face Packs 	

Alginate usage in Food Industry

Type of Food	Property of Alginate	Prominent Clients
Ketchups / Sauces	<ul style="list-style-type: none">Gelling agent - Prevents separation or settling down of any particles (pulp, sugar etc..)	
Fruit drinks / Flavoured Milks	<ul style="list-style-type: none">Gelling agent - Prevents separation or settling down of any particles (pulp, sugar etc..)	
Ice cream	<ul style="list-style-type: none">Prevents ice crystal formation	Various clients

Alginate usage in other industries

	Property of Alginate	Prominent Clients
Welding Electrode	<ul style="list-style-type: none">• High purity alginate used in high end welding electrodes• Enables binding of the flux	 
Rubber Latex	<ul style="list-style-type: none">• Creaming of rubber	Rubber belt – Kerala

Carageenan manufactured from *Eucheuma Cottonii* (Red Algae)

- *Eucheuma Cottonii* (Red Algae), is cultivated in sea
- Primarily used in Food products



Carageenan usage in Food Industry

Primarily sold as **Specialized blends** for the dairy Industry.

Currently make blends for:

- Khoya
- Icecream
- Milkshakes
- Unripened Cheese
- Other – Jellies, Processed Meats, Puddings etc...

Primary property of Carageenan is to:

- Reduce protein denature of milk while heating
- Improve texture and taste (eg. Icecream - more creamy)
- Impart uniform colour and flavour release
- Improve yield (better water binding & solids recovery)

Internationally food industry is the biggest consumer of Alginate & Carageenan. In India we have traditionally used lower quality ingredients and a change in mindset is needed to increase consumption.

Impact of Seaweed Farming on Socio-Economic Development of Coastal Communities





Socio-economic profile of seaweed farmers:

- Low literate
- Fisherfolk, who take up this occupation to diversify livelihood
- Several women take up seaweed farming
- Far more profitable than fishing

Seaweed farming
refers to both:

Harvesting from
natural beds based
on calendar
(Sarghassum,
Turbeneria) and,

Cultivation in the
sea
(Kappaphycus)



Seaweed farming is a labor intensive process and generates employment at every level, primarily for women:

- Fisherfolk (each boat will employ 6 - 8 people)
- Workers who do drying, cleaning, sorting & harvesting of weeds

Earn Rs. 500 - 700 per day

During season SNAP employs 2,000 people





SNAP NATURAL AND ALGINATE PRODUCTS PVT. LTD.

www.snapalginate.com

sales@snapalginate.com

