



# Chondrus crispus

Irish moss

WealSEA



## ► bio-chemical composition & applications

Composition	Active molecules	Applications
Carbohydrates	Carrageenans	<p><b>Food processing (E407):</b></p> <ul style="list-style-type: none"> <li>- Gelling or thickening properties depending on the carrageenan type.</li> <li>- Canned food, mousse desserts, salad sauces, baking dough, ice cream, instant desserts, cheese, meat (ham)</li> <li>- Fruit juice : stabilizes the pulp</li> <li>- Dietetic product : made of carrageenans not assimilable by human</li> <li>- Clarify bear, wine and honey</li> </ul> <p><b>Cosmetic :</b></p> <ul style="list-style-type: none"> <li>- Exfoliant agent</li> <li>- Moisturizing agent</li> <li>- Bring softness and finesse to beauty cream</li> <li>- Tooth paste, shampoo, lipstick, deodorant</li> </ul> <p><b>Medical – Pharma :</b></p> <ul style="list-style-type: none"> <li>- Anti-tumoral activity</li> <li>- anti-viral properties : flu, mumps virus, simplex herpes, HIV and different STD vector</li> <li>- Suspensive and stabilizing agents for medicine, lotions et medical cream</li> <li>- Anticoagulant (antithrombotic agent)</li> <li>- Blocking action in the transmission of the HIV virus and other STD virus such as gonorrhoea, human papillomavirus, genital warts and the herpes simplex</li> <li>- Hypoglycemic effect: prevent and diabete gestion</li> <li>- <u>Possible</u> agent to prevent colorectal cancer</li> <li>- Antioxidant</li> <li>- Anti-inflammatory</li> <li>- Immunomodulator</li> <li>- Anti-hyperlipidemic</li> <li>- Intestinal treatment such as diarrhea, constipation and dysentery</li> <li>- Cataplasm against stomach ulcers</li> </ul>
Proteins	Complex arginin-citrulin	<p><b>Cosmetic :</b></p> <ul style="list-style-type: none"> <li>- Stimulate the growth and metabolism of cells protecting the skin fostering the synthesis of proteins and collagen</li> </ul>
Pigments	C-phycoyanin and R-phycoerythrin	<p><b>Food processing :</b> natural colorant (candy, beverage...)</p> <p><b>Cosmetic :</b> natural colorant used in cosmetic products</p>
Undifferentiated raw seaweed		<p><b>Medical :</b></p> <ul style="list-style-type: none"> <li>- Antibacterial</li> <li>- Lowering cholesterol</li> <li>- Hypotensive</li> </ul>