

Polyplant Marine™

A complex of sea plant extracts containing

- **bladderwrack** (*Fucus vesiculosus*),
- **nori seaweed** (*Pyropia*) an edible dried seaweed from the red algae species,
- **green algae** (*Enteromorpha compressa*), also known as sea lettuce,
- **wakame seaweed** (*Undaria pinnatifida*), a good source of magnesium, iodine, calcium, iron, and vitamins A, C, E, D and K,
- **Lithothamnium algae** (*Lithothamnium calcareum*), which is a very slow-growing red algae, rich in minerals..

The complex has a toning, moisturising, stimulating, reinvigorating and softening effect on the hair.

Today, algae are appreciated as a great source of important nutrients and are more increasingly used in food.

Bladderwrack has been used to relieve joint pain since ancient times. In the 18th century, it was often used to treat asthma. Bladderwrack is often used as a food supplement in cases of obesity and endocrinopathy and is an ingredient in anti-cellulite gels and mesotherapy creams.

It is a great source of calcium, magnesium, mineral salts, carotenoids, and vitamins C and B.

Nori is the Japanese name for the edible seaweed species of red algae. Nori also designates the products produced from this seaweed. Nori is also used in sushi rolls and onigiri. It is also used in a paste flavoured with soy sauce, called noritsukudani. Dried nori powder is called aonori, which means "green nori" and is generally used as a spice in dishes such as okonomiyaki and yakisoba.

Nori seaweed contains a lot of calcium, iron, potassium and magnesium.

The carbohydrate, protein and lipid-rich **Enteromorpha compressa seaweed** is also known as green algae, one of the edible seaweed species.

Rich in amino acids, group B vitamins, magnesium, iron, potassium and calcium, **wakame extract** is a fascinating ingredient for the cosmetics industry due to its polysaccharide, protein, vitamin and mineral content.

Lithothamnium is a red algae growing only 2 mm a year, containing significant amounts of mineral salts, calcium, magnesium and iron.

Effect

In algae, the potential of the **nutrients is in a natural balance** – it is easily absorbed and restores nutrient deficiencies in various organs and tissues.

The use of algae in the cosmetic world helps restore the natural balance of the skin due to their ion-based elements (oligo-elements, vitamins and chelated minerals).

Algae absorb mineral salts, calcium, phosphorus, iodine and vitamins from the sea. These elements help to naturally restore the skin's vitality and improve its appearance.

The Polyplant Marine complex, in the S+ Haircare range, tones, stimulates and reinvigorates the scalp, and moisturises, softens and smooths the hair.

The Polyplant Marine complex is part of the ingredients of the following **S+ Haircare** line products: **Child Proof** and **Longer Hair Shampoos**, **Longer Hair Treatment**, **Bodywash** shower gel, **Leave In Hydrating Conditioner** and **All In Hydrating Conditioner**.

