

TECHNICAL DATA SHEET

EXTRACT OF MARINE ALGAE

ORMAGEL SH_PE

INCI Name: Hypnea Musciformis Extract (and) Gellidiela Acerosa Extract (and) Sargassum Filipendula Extract (and) Sorbitol

Active ingredient extracted from selected marine algae of the Phaeophyceae and Rhodophyceae classes, containing uronic acid derivatives, fucose polymers and highly sulfated polygalactosides, besides natural salts, micro-elements and essential metabolites.

Specifications

Form	Gel
Colour	Yellowish-green to yellowish-brown
Odor	Characteristic
Solubility	Hot water (above 50 °C)
pH	6.00 to 7.00
Total Solids	18.00% (minimum)
Total Ashes	2.00% (maximum)
Chlorides	1.00% (maximum)
Melting temperature	50 °C (122 °F)
Gelling temperature	30 °C (86 °F)

Microbiological Specifications

Aerobic Plate Count	Maximum 100 UFC/g
Molds and Yeasts	Maximum 100 UFC/g
Pathogenic Micro-organisms	Absent

Composition

Contains - Extract of marine algae of the Phaeophyceae and Rhodophyceae classes, Sorbitol and preservatives Phenoxyethanol 0.90% and Ethylhexylglycerine 0.10%.

Uses

As a protecting, moisturizing and nutrient active ingredient in cosmetic and toiletries' formulations, such as moisturizing, nutrient and anti-cellulite lotions, creams and gels, massage creams, face masks, after-shave creams and lotions, after-sun creams and lotions, sun tanning creams, lotions and many other products.

Instructions

ORMAGEL SH_PE can be incorporated directly into cosmetic preparations at room temperature, by previously liquefying the gel with the help of a colloid mill or high speed homogenizer. It can be melt at 50 °C (122 °F) or dissolved in the warm aqueous phase of the formula, before being incorporated into the formulation. In the presence of quaternary ammonium salts, proteins and di- or trivalent salts, it is recommended to incorporate ORMAGEL SH_PE in the last manufacturing steps.

Such precaution is not necessary in the presence of protein hydrolyzates.

ORMAGEL SH_PE is stable at temperatures up to 90 °C in pH conditions ranging from 4.00 to 11.00.

Storage

Kept in closed containers, at room temperature, the product can be stored during two years. DO NOT FREEZE. If frozen, remove from container, heat to 80°C (176°F) and repack.

Packaging 20 kg (44 lb) HDPE pails.