



INDÚSTRIA, COMÉRCIO E EXPORTAÇÃO LTDA.

TECHNICAL DATA SHEET

EXTRACT OF MARINE ALGAE

ORMAGEL XPU_PE

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

Ormigel XPU is an active ingredient extracted from selected marine algae of the Phaeophyceae and Rhodophyceae classes, containing moisturizing and protective biopolymers, minerals and essential metabolites.

Physico-chemical Specifications

Form	Liquid to gel
Colour	Pale yellowish- green to pale yellowish- brown
Odor	Characteristic
Solubility	Soluble in water
pH	6.00 to 7.00
Total Solids	14.00% (minimum)
Total Ashes	2.00% (maximum)
Polysaccharides	0.20% (minimum)

Microbiological Specifications

Aerobic Plate Count	Maximum 100 UFC/g
Molds and Yeasts	Maximum 100 UFC/g

Pathogenic Micro-organisms

<i>Staphylococcus aureus</i>	Absent
<i>Enterobacteriaceae</i>	Absent
<i>Pseudomonas aeruginosa</i>	Absent

Composition

Contains - Extract of marine algae from the Phaeophyceae and Rhodophyceae classes, sorbitol and preservatives phenoxyethanol 0.90% and ethylhexylglycerin 0.10%.

Uses

Ormigel XPU_PE is specially adequate for hair-care products, such as shampoos, conditioners, hair masks, creams, serums and hair dyes. Ormigel XPU_PE keep hair shiny and supple arranging and protecting the cuticles damaged by chemical and physical agents or by mechanical action, restoring the shine and natural balance to hair. The capacity of Ormigel XPU_PE to protect and align the cuticles inhibits the color fading in hair dyes. Ormigel XPU_PE may also be used for the formulation of body shampoos, soaps and other cosmetic products in general, as a protecting, moisturizing and soothing agent.

Instructions

Ormigel XPU_PE can be incorporated directly into cosmetic preparations at temperature ranging from 25 to 90 °C. In the presence of quaternary ammonium salts, proteins and di- or trivalent salts, it is recommended to incorporate Ormigel XPU_PE at room temperature in the last manufacturing steps. Such precaution is not necessary in the presence of hydrolyzed proteins. Ormigel XPU_PE is stable at temperatures up to 90 °C in pH conditions ranging from 4.00 to 11.00.

Storage

Kept in closed containers, protected from sunlight and heat.

Note: DO NOT FREEZE. If frozen, remove from container, heat to 80°C (176°F) and repack.

Validity

The product can be stored for one (2) two years.

Packaging

20kg (44lb) HDPE jerrycans

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Prepared by: KC

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