

SEPPIC

wesource

ACTIVE SCIENCE TO EMPOWER BEAUTY

HYDRALIXIR™

Collection of plant cellular waters
sustainably sourced from
the marine world

Fresh water, an essential ingredient in cosmetic formulations, is a precious resource at the heart of fundamental human & ecological concerns. We need to preserve it...



... Discover

HYDRALIXIR™

An eco-designed collection of fresh waters, combining Responsible Innovation & Naturality

NEW WATER SOURCES

- **Algae cellular waters:** New sources of plant-based waters, highlighted by our researchers & experts of the marine world, to watch over the drinking/fresh water resources.

SUSTAINABLE SOURCING

- **Reasoned & sustainable harvest:**
 - > Algae from a preserved natural environment, suitable to the optimal development of the plants, and to the expression of their astonishing & inspiring abilities.
 - > Algae: locally sourced in Brittany (France).
 - > Harvesters: signatories of a code of ethics. Reasoned & sustainable harvests, according to the 'good practices book' published by InterBio Bretagne.
- **Algae naturally filled with pure water:**
 - > Seaweed evolving in a high quality seawater, controlled by Ifremer.
 - > No fresh water intake, at the opposite of plants which need fresh water supply.

ECO-CONCEPTION

- **By-products** of algae, that are already engaged in an existing industrial exploitation (low carbon footprint, valorization of a lost material).
- **Evaporation process:** use of a gentle drying process to collect algae cellular waters (energy-saving technology / water free process).
- **Naturality:**
 - > Preserved waters (COSMOS certified preservatives) to ensure their purity & long shelf-life (3 years).
 - > Final production with a low impact on drinkable fresh water resources.
 - > Non-ecotoxic & readily biodegradable range, according to CLP regulations.

HYDRALIXIR™
a meaningful drop of water!

A natural alternative to reduce fresh water footprint of eco-responsible cosmetic formulations. The range is empowered with innovative marine concepts:



*Labels & Approvals specifications: see back cover.

HYDRALIXIR™ LD

Cellular Elixir from *Laminaria digitata*



Laminaria digitata only flourishes in the purest sea water. Its richness in cellular water participates in the mucilage functionality (flexibility, resistance, ...), allowing the algae to withstand an environment beaten by ocean currents.

L. digitata:
content in
cellular water
83%
on average

wesource™ has identified the Cellular Elixir of *Laminaria digitata* as a new source of sustainable fresh water

→ **Water = by-product of an existing production of alginic acid** (popular in various industries for its insulating & gelling properties)

→ **Algae are harvested from April to November, at the height of their cellular water potential,** during the peak of mucilage production (a seaweed volume of **45,000T/year** harvested in Brittany)

• A sustainable sourcing:

Laminaria digitata is
OA* certified

(*algae from french Organic Agriculture)

• A few properties of water, this essential element to the alginate mucilage functionality:

Elasticity, flexibility & resistance to seawater pressure

Regeneration capacity (healing: 'flash' regrowth in 6 to 10 months)

> The '**marine hydrogel**' is composed of water, alginic acid (a natural polymer) & salts. It is stocked & quickly available in the alga thanks to dedicated channels.

• A high water yield:

Quick growth: x6.5 in 24 months

> The alga quickly reaches its adult size (±2 meters): **a large amount of water is available in each seaweed.**

HYDRALIXIR™ CC



Fundamental Fluid from *Chondrus crispus* & *Gigartina stellata*

To survive in a natural habitat submitted to the most stressful environmental conditions (waves, winds, UV, saline variation...), the couple of red algae have developed a strong capacity to store the water in their cells. Thus, they can withstand desiccation during long periods of emersion.

C. crispus
& *G. stellata*:
content in
cellular water
80%
on average

wesource™ offers the access to a new source of fresh water: the Fundamental Fluid from *C. crispus* & *G. stellata*

→ **Water = by-product of an existing exploitation of carrageenans** (popular in various industries for gelling properties, with a versatile viscosity)

→ **Algae are harvested from March to October, at the height of their cellular water potential,** during the peak of the mucilages production (a seaweed volume of **80,000T/year** harvested in Brittany)

• Water, as an essential constituent of carrageenans mucilages, allows the functionality of the seaweed's natural defenses:

Water+ salts + kappa-carrageenans: formation of a **rigid hydrogel**, a '**protection shell**' against external aggressions & evaporation

> **Maintenance of the seaweed structure** (to counter osmotic pressure, friction on the rocks, etc.)

> **Maintenance of the water gradient in the seaweed** (to counter the drying effect by limiting the evaporation of algae cellular water)

Water+ salts + iota & lambda carrageenans: formation of a **supple hydrogel**, a **multifunctional 'water reservoir'**

> **A modular water supply** (mucilages with a versatile viscosity, adaptable to the seaweed needs)

> **Cellular water allows to store & diffuse the molecules of interest in the seaweed** (antioxidants, nutrients...)

• A high water yield:

Seaweed can multiply x100 (depending on the amount of water retained)

> **To face a hostile climate**

> **Large quantity of water available on the harvest period**

HYDRALIXIR™ LD

INCI Name: Aqua/Water - Laminaria Digitata Extract

Use level: 10 - 50%

Form: Clear liquid

Solubility: Water soluble

Preservatives: Potassium Sorbate (0.3%) & Sodium Benzoate (0.95%)

Claims: **Cellular elixir from Laminaria digitata / Traceable & responsible by-product / Reduces fresh water footprint** in cosmetic formulations / **Readily biodegradable, non-ecotoxic.**

Formulation advice: Easy to formulate in any type or formula / Can bring some electrolytes.

Approvals:



FORMULA EU07502

MULTI-BENEFITS LIGHT CREAM / COSMOS compliant

A	• Aqua/Water	Qsp 100%
	• Glycerin	2.00%
B	• ORAMIX™ CG 110	0.50%
	• HYDRALIXIR™ LD	50.00%
C	• SOLAGUM™ AX	1.50%
	• EMOGREEN™ L19	5.00%
D	• ANTILEUKINE 6™	2.00%
	• NATIVE ESSENCE™	1.00%
	• Glycerin - Aqua - Aloe Barbadosensis Leaf Juice	1.00%
	• Fragrance	0.20%
	• Tetrasodium Glutamate Diacetate	0.20%
E	• Citric Acid	0.30%

HYDRALIXIR™ CC

INCI Name: Aqua/Water - Chondrus Crispus Extract - Gigartina Stellata Extract

Use level: 10 - 50%

Form: Clear liquid

Solubility: Water soluble

Preservatives: Potassium Sorbate (0.3%) & Sodium Benzoate (0.95%)

Claims: **Fundamental Fluid from Chondrus crispus & Gigartina stellata / Traceable & responsible by-product / Reduces fresh water footprint** in cosmetic formulations / **Readily biodegradable, non-ecotoxic.**

Formulation advice: Easy to formulate in any type or formula / Can bring some electrolytes.

Approvals:



FORMULA EU07501

ALGAE ELIXIR / Ultra fluid hydrating care

A	• Aqua/Water	Qsp 100%
	• HYDRALIXIR™ CC	10.00%
	• SENSANOV™ WR	0.50%
	• Triethanolamine (50%)	0.14%
B	• Butylene Glycol	10.00%
	• Propylene Glycol	10.00%
	• SEPIMAX ZEN™	0.50%
	• EMOGREEN™ L15	3.00%
C	• AQUAXYL™	3.00%
	• Colorant	0.30%
	• Alcohol	3.00%
D	• Preservatives	0.60%
	• Fragrance	0.05%

***CHINA Compliant:** all INCI names are listed on the IECIC list of December 2015. / **COSMOS Approved:** raw material approved by ECOCERT GREENLIFE, in conformity with COSMOS standard. / **NATRUE Approved:** raw material certified according to Natrue standard. / **HALAL Certified:** BiotechMarine site & products have been audited & certified by HCS (Halal Certification Services); officially recognized by MUI (Indonesia), JAKIM (Malaysia), MUIS (Singapore), CICOT, and other respected Halal authorities around the world. / **NATURALITY PROFILE Available:** Natural Origin Content (NOC)=98.7%, in conformity with ISO 16128 norm.

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Air Liquide Healthcare is a world leader in medical gases, home healthcare, hygiene products and healthcare specialty ingredients. It aims to provide customers in the continuum of care from hospital to home with medical products, specialty ingredients and services that contribute to protecting vulnerable lives.

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