

PASSPORT



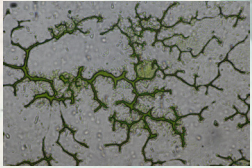
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AC ExoRoot



Start:

Chlorella vulgaris is sourced regionally respective to our three global manufacturing sites: NC for US, Italy for Italy, and Japan for Taiwan.



Chlorella vulgaris is grown in cell culture using sulfur-rich media and then processed and extracted. Phospholipids are dispersed. *Lactobacillus ferment* is added and the blend is homogenized to form exosomes.

Final Stop:

AC ExoRoot: the answer to increased Hairspan, combining scalp anti-aging with long-term hair longevity support.



Road Map Tour

Hairspan: Longevity, Defined

Chlorella vulgaris offers sustainability by design. This freshwater microalgae grows quickly with minimal land and water requirements, delivering high biomass efficiency. Beyond efficient cultivation, it supports sustainability through carbon dioxide sequestration and wastewater bioremediation. AC ExoRoot advances this sustainability profile through cultivation of *Chlorella vulgaris* in cell culture, enabling efficient resource use while enhancing the bioavailability of its actives.

Our North Carolina-based supplier cultivates many of its cultures in-house, enabling controlled, resource-efficient production and optimized growing protocols. Our Japanese supplier cultivates microalgae in concrete-lined ponds to provide a controlled environment and helps to prevent interactions with surrounding soil and groundwater. Our Italian supplier is committed to sustainable microalgae cultivation, using renewable energy in addition to low-water processes that help to minimize environmental impact.

We are transparent in our supply chain from harvest to production. It's important to know where our raw materials come from and where they are going.

Safety & Toxicology

Non-phototoxic

Non-irritant to skin

Non-sensitizing

Non-irritant to eyes

Non-harmful to aquatic life

Regulatory

INCI: Water & Chlorella Vulgaris Extracellular Vesicles & Phospholipids & Lactobacillus Ferment

CAS: 7 732-18-5 & 91079-57-1 (or) 223749-83-5 & 123465-35-0 (or) 8002-43-5 & 68333-16-4 (or) 1686112-36-6 (or) 9015-54-7

EUROPE: Compliant

USA: Compliant

JAPAN: Compliant

CHINA: Contact Us



Environmental Impact

Active Concepts Production

0.247 kg CO2e per kg

2.246 kW energy per kg

92.7 % Biodegradable after 28 days

1.735 litres water per kg

1.483 kg compost per kg

Animal Welfare

Never tested on animals and made from non-animal-derived ingredients. Neither we or our supply chain have allowed contact with any animal products, animal by-products, or derivatives.



Ethical Trade

Our US supplier operates with a strong people-first culture and cultivates many cultures in-house, supporting transparency, oversight, and responsible production practices.



Community Welfare

Our Italian supplier places community at the core of its operations through education, consulting, and personalized nutritional and environmental support.



Specification

ORIGIN: Botanical/Bacteria **PRESERVATIVES:** None

APPEARANCE: Liquid Exosomal Dispersion, Light Beige to Tan **SOLVENTS:** Water

USE LEVEL: 1.00 - 5.00%

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