

PASSPORT



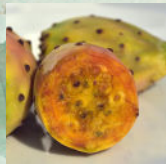
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AC Water Kefir PHA



Start:

Active Concepts sources prickly pear fruits from Arizona, USA; Sicily, Italy; and Victoria, Australia for each local Active Concepts manufacturing site.



Onsite, the prickly pear fruits are macerated and then fermented with *Saccharomyces cerevisiae*, *Acetobacter xylinum*, and succinic acid.

Final stop:

A natural, vegan polyhydroxy acid: AC Water Kefir PHA



Road Map Tour

Prickly pear cacti provide farming opportunities in, otherwise, farmless communities

Active Concepts sources prickly pear fruits from local sources respective to our three global manufacturing sites. Prickly pear plants are often found in warm, dry climates, making Arizona, Sicily, and Victoria the perfect destinations for the cactus to thrive. Cacti, like the prickly pear, are well-known for their ability to store an astonishing amount of water. For this reason, the plant does not need water often, and cultivation is considered sustainable and friendly towards water consumption. Our suppliers rely solely on rainwater supply to water their cacti farms. In addition, our suppliers utilize farm land that is too agriculturally poor for other crops, maximizing the available land and using resources as appropriately as possible. For the constant supply year round, our suppliers are continuously propagating young cacti from older crops.

We want to be 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 & Opuntia Ficus-Indica Fruit Extract & Lactobacillus Ferment

CAS: 7732-18-5 & 90082-21-6 & 1686112-36-6 (or) 68333-16-4 (or) 9015-54-7

EUROPE: Compliant

USA: Compliant

JAPAN: Compliant

CHINA: Compliant

Specification

ORIGIN: Botanical/Bacteria PRESERVATIVES: None

APPEARANCE: Clear to Slightly Hazy Liquid, Yellow to Orange
SOLVENTS: Water
USE LEVEL: 1.0 - 10.0%



Environmental Impact

Active Concepts Production

0.332 kg CO2e per kg

0.221 kW energy per kg

90.70% Biodegradable after 28 days

0.806 litres water per kg

0.187 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

Minimal water is used for processing and farming of the fruit. Cacti occupy land that is otherwise too nutrient poor for other forms of vegetation to thrive.



Community Welfare

Our suppliers support their farmers and their families by providing employment and farming opportunities for, otherwise, farmless communities. Our suppliers take care of workers and ensure fair wages and hours.

