

PASSPORT



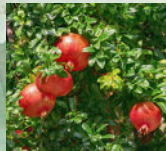
2044OPF

ACB Modified Pomegranate Enzyme PF



Start:

Organic pomegranates are sourced regionally respective to our three global manufacturing sites: California for USA, Spain for Italy, and India for Taiwan.



Pomegranate fruit is fermented with *Lactobacillus lactis* and filtered to isolate the desired components.

Final stop:

A stabilized superfruit enzyme: ACB Modified Pomegranate Enzyme PF



Road Map Tour

A Cradle to Cradle approach to maximize the use of whole organic pomegranates to promote sustainable provenance.

Active Concepts utilizes a Cradle to Cradle approach to maximize the use of the whole pomegranate. We source organic pomegranates and use all parts to create our various pomegranate ingredients. By doing so, we are able to eliminate waste while maximizing the yield of the given starting material. Our US facility sources pomegranates from San Joaquin Valley in Central California. These pomegranates are certified organic through California Certified Organic Farmers (CCOF). The standards held by CCOF work to enhance biodiversity and soil fertility while restoring and maintaining ecological harmony.

Our Italian team sources pomegranates from the Valencian region of Spain. These farms pride themselves in ecological farming practices. Similar to regenerative farming, ecological agriculture focuses on rebuilding ecosystems within farm lands to promote healthy, organic crops. Always GMO-free, pesticide-free, and organic, ecological farmers are committed to practices that are sustainable and beneficial for their land yet effective for crop yield.

Pomegranates grow year-round in India, ranking this country as the top pomegranate cultivator in the world. Due to the abundant production in India, this is where our Taiwan facility sources our pomegranates. These farmers we work with comply with the National Standards for Organic Production (NSOP) by growing crops organically without the use of chemical fertilizers, pesticides, or hormones. More farmers are joining the pesticide-free movement as many realize this switch improves their quality of life. They believe the use of chemicals not only affects the crops, but all those that the crop encounters.

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: Lactobacillus/Punica Granatum Fruit Ferment Extract & Leuconostoc/Radish Root Ferment Filtrate

CAS: 84961-57-9 & 1686112-10-6 (or) 84775-94-0 (or) 9015-54-7

EUROPE: Compliant

USA: Compliant

JAPAN: Compliant

CHINA: Compliant



Specification

ORIGIN: Botanical/Bacteria

PRESERVATIVES: None

SOLVENTS: None

USE LEVEL: 1.0-10.0%

APPEARANCE: Slightly Hazy to Hazy Viscous Liquid

Environmental Impact

Active Concepts Production

0.20 kg CO2e per kg

0.52 kW energy per kg

88.5% Biodegradable after 28 days

1.41 litres water per kg

0.63 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 sources pride themselves with regenerative farming practices as a holistic approach to modern day agriculture, including no till farming, composting, and wildlife preservation. Their philosophy is simple: Farm in a manner that mimics nature.



Community Welfare

Our suppliers take special care of their workers and prioritize their safety, work conditions, and well-being. The farms are pesticide and GMO-free, and incorporate beneficial soil microorganisms and compost in place of synthetic fertilizers.



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