

PASSPORT



20440PF

# ACB Modified Pomegranate Enzyme PF



## Start:

Pomegranates are sourced regionally respective to our three global manufacturing sites: California for USA, Southern Italy 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

### Pomegranates and Zero Waste: A Cradle to Cradle Approach

Active Concepts utilizes a Cradle-to-Cradle approach to maximize the use of whole pomegranate. We sustainably source whole pomegranates and use all parts to create our various pomegranate raw materials. In the San Joaquin Valley of California, our US supplier's regenerative practices not only produce great fruit but also provides important ecosystem and climate benefits. They build soil health by composting, planting cover crops, and not tilling. Our Italian team utilizes pomegranates from farms in southern Italy that pride themselves in ecological farming practices that focus 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. We source pomegranates from India for our site in Taiwan. These farmers comply with the National Standards for Organic Production (NSOP) by growing crops organically without the use of chemical fertilizers, pesticides, or hormones. They believe the use of chemicals not only affects the crops, but all those that the crop encounters.

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

\*We have been advised by the CCOF that we cannot represent our products as "organic" or "made with organic". We recommend that customers consult with legal counsel knowledgeable in National Organic Program regulations if they intend to use the phrase "organic" or "made with organic" in association with their final product.

## 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



## 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.



### 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.



## Specification

**ORIGIN:** Botanical/Bacteria

**PRESERVATIVES:** None

**APPEARANCE:** Slightly Hazy to Hazy Viscous Liquid

**SOLVENTS:** None

**USE LEVEL:** 1.0 - 10.0%

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