

## STANDARDIZED GRAPE POLYPHENOLS FOR SHRIMP PERFORMANCE



### What is Vitifeed™ ?

Vitifeed™ is a high-value grape extract developed to support performance, resilience, and consistency in shrimp farming.

- **Natural dry grape extract** designed for animal nutrition.
- **Origin:** Spain. Obtained from non-fermented grape seeds and skins.
- **Sustainable solution:** upcycled ingredient from wine industry by-products, aligned with circular economy principles.
- **Water-based physical extraction,** preserving the natural polyphenol profile.
- **Powder format,** easy to incorporate through premixes and feed formulations.

Vitifeed™ combines performance support with sustainability, a smart, functional choice for modern shrimp aquaculture.

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### Why Grape Polyphenols in Shrimp Feed?

**Grape polyphenols deliver proven functional benefits in shrimp aquaculture,** especially in intensive production systems where oxidative and health stress limit performance.

- **Improved production performance**  
Supports higher growth rate (SGR), improved feed conversion ratio (FCR), and better batch uniformity when included in shrimp diets.
- **Powerful antioxidant protection**  
Reduces oxidative stress by modulating the endogenous antioxidant defense system, enhancing the activity of key antioxidant enzymes such as superoxide dismutase (SOD), catalase (CAT), and glutathione peroxidase (GPx), helping shrimp cope with high-density and stressful farming conditions.

- **Enhanced health resilience**  
Improves tolerance to bacterial challenges, including *Vibrio* spp., contributing to a more robust immune response.
- **Support for gut functionality**  
Contributes to intestinal health and nutrient utilization through indirect modulation of gut physiology and microbiota.
- **More stable production outcomes**  
Helps reduce variability between ponds and production cycles, improving consistency and economic predictability.

**Grape polyphenols are more than a label claim.** When correctly dosed, they are a **reliable functional tool** to improve efficiency, health, and production consistency in shrimp farming.

## Application

 **Premix inclusion**       250–500 mg/kg (ppm)\*       *Litopenaeus vannamei*

\*As a practical starting range; adjust according to KPIs and farming conditions.

ANIMAL NUTRITION				
PRODUCT NAME	SKU	POLYPHENOLS	PROANTHOCYANIDINS	ANTHOCYANIDINS
Vitifeed™ 80	55707	NLT 80% (OD 280nm)	NLT 60% (Porter)	NLT 0.75 (HPLC)

## Specifications:

- **Appearance:** brown-red powder .
- **Antioxidant capacity:** ORAC ≥ 12,000 mmol TE/g.
- **Packaging:** standard 20 kg format.
- **Shelf Life:** 4 years from date of manufacture (stored as suggested, non-opened in original packaging).

For more information or samples, please contact us:

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