



**AquaASTAX®**  
Renewable, Eco-friendly

## **Biosynthetic ingredients that boost your product values eco-friendly**

vitasource bio

*AquaASTAX® is a revolutionary animal nutritional ingredient produced by innovative biosynthesis technology, rich in natural astaxanthin which endows animals with bright colors, anti-stress capabilities and enhanced immunity. The natural astaxanthin production technology we have amassed over the years guarantees safe, reliable quality and supply.*

### **More than Color Matters**

*Protect your profit*

#### **The importance of optimum color**

*Color is a crucial concern for end consumers as it relates to the health, quality, and premium features of salmon and shrimp, a major buying factor and favor darker salmon fillet color.*

#### **Anti-stress**

*Astaxanthin can efficiently adjust the physiological condition of animals. Under stressful circumstances like fluctuations in water temperature, salinity, or exposure to pollutants, animals with astaxanthin exhibit enhanced adaptability. It contributes to maintaining cell membrane stability, diminishing the harm inflicted by stressors.*



**Eco-friendly, Organic high-content astaxanthin source for your products value**



*Up to 5% of high-quality natural astaxanthin (3s, 3's), which is stable in nature and easy to handle. (The astaxanthin retention rate is over 95% after drying at 90 degrees Celsius for 60 minutes.) The whole cells contain other nutrients necessary for animals.*

**AquaASTAX®**, a biosynthetic whole-cell product, is designed to **enhance coloring, anti-stress capabilities, and immunity** when used as a feed additive.

We provide standard 2% and 5% powder, also provide **adjustable ratios** to cater to your requirements.



## Our products enable potential claims positioned for your plant-based dietary supplements

Product	Form	Naturally derived*	Organic	Pets	Aqua.	Rumin.	Poultry	Pigs	Packaging
Dark-red, cell-wall cracked and spray dried powder, contain min. 20mg/g 3s,3's-astaxanthin from yeast	Powder	✓	✓		✓		✓		20 kg
Dark-red, cell-wall cracked and spray dried powder, contain min. 50mg/g 3s,3's-astaxanthin from yeast	Powder	✓	✓		✓		✓		20 kg

\* Main/active ingredient originating from natural materials. May contain formulation ingredients not matching "natural" definition.

### vitasource bio AquaASTAX® **whole cell astaxanthin**

Astaxanthin content 2%, 5%

Biosynthesis yeast cells

Origin: China

Nature-identical, 3,3'-dihydroxy-β, β-carotene-4,4'-dione (C40H53O4)

Designed for pre- and post- extrusion addition

Shelf-life 24 months

#### key properties/customer benefits

Superior stability in feed

Superior feeding efficiency

Improved stability in stress premix

Easier handling & Excellent bioavailability and retention of astaxanthin in salmonids and shrimps

cell-wall completely disrupted

No additive added



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