

NIGAMIN_{AQUA}

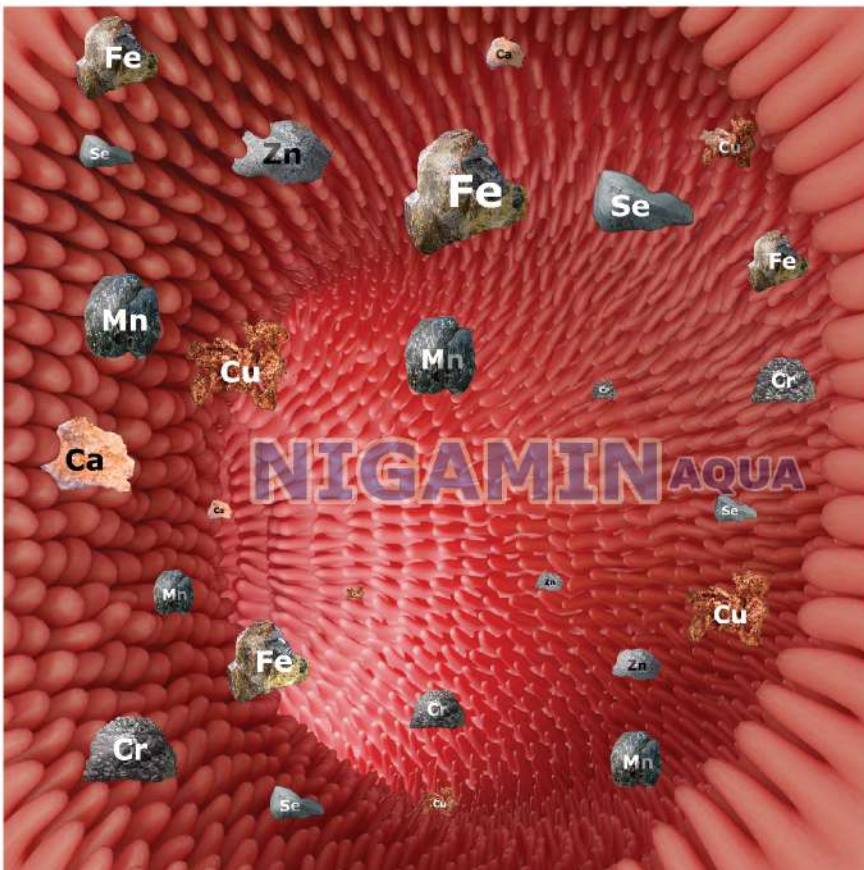
Bioavailability and Profitability

Highly Bioavailable Trace minerals in Nano particles form

It is well recognized that trace minerals play essential roles in metabolism, thus are indispensable for health, immunity, growth, and reproduction. Inorganic trace minerals (ITM, e.g., sulfates and oxides) have been widely used in the Aquaculture industry for decades as a cost-effective solution to meet the trace mineral requirements of animals.

Chelated minerals are minerals that have been combined chemically with amino acids to form "complexes. Chelated minerals are used for supporting normal growth, stabilizing bipolar disorder, building strong muscles and bones, and improving immune system function and overall health.

Nigamin Aqua helps to improve the bio availability are essential to deliver the nutrients required by the Shrimp and Fish. **Nigamin Aqua** excellent stability, reliability, flow ability and better bio availability.



Nigamin Aqua bioavailability has been enhanced by increasing the surface area of respective minerals by making their nano-particles. Shrimp and Fish gets sufficient minerals in their daily diet and optimally maintain their overall health condition and performs well.

Essential minerals are destroyed during the digestion process due to interactions with other components of feed. In feed it is the optimum way to ensure protection and absorption of minerals through the intestinal walls into the blood stream and reaching various organ to perform various physiological functions without interruption.

Benefits in Fish and Shrimp

- Essential for skeletal development, shell formation (in crustaceans and mollusks), and overall structural integrity.
- Integral for energy metabolism, nucleic acid synthesis, and bone formation. It is crucial for the growth and development of tissues.
- Participates in enzyme activation, muscle contraction, and nucleic acid structure. It is essential for maintaining normal physiological functions.
- Important for osmoregulation, nerve function, and enzyme activation. Maintains electrolyte balance and supports nerve impulse transmission.
- Critical for osmoregulation and maintaining ion balance. Facilitates water balance and regulates osmotic pressure.
- Required for hemoglobin formation, oxygen transport, and electron transport in cells. Essential for oxygen transport in the bloodstream and various metabolic processes.
- Important for growth, immune function, and enzyme activity. Acts as a cofactor for enzymes involved in digestion, metabolism, and immune response.
- Involved in bone formation, enzyme activation, and antioxidant defense. Supports bone and participates in various metabolic processes.
- Essential for thyroid hormone synthesis and molting in crustaceans. Regulates metabolic rate and supports the molting process.
- Acts as an antioxidant and is important for immune function. Protects cells from oxidative damage and supports the immune system.
- Involved in glucose metabolism. Supports insulin function and glucose regulation in metabolic processes.

Composition

Calcium, Phosphorus, Magnesium, Potassium, Sodium, Iron, Zinc, Copper, Manganeses, Iodine, Selenium, Chromium and Calcium Carbonate

Dosage

Fish & Shrimp : 500 Gms to 1 kg for per ton.

Manufactured and Marketed by

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