



ZINC GLYCINATE



Premium Chelated Mineral for Animal Nutrition

SUPERIOR BIOAVAILABILITY | OPTIMAL PERFORMANCE

Introduction

Zinc Glycinate represents the pinnacle of chelated mineral technology, engineered by Jainex Speciality Chemical to deliver unparalleled bioavailability and performance in animal nutrition. This premium-grade glycinate complex ensures optimal zinc absorption, bypassing common antagonists in the gastrointestinal tract.

Manufactured through our proprietary chelation process, Zinc Glycinate maintains exceptional stability across diverse pH environments, ensuring that the zinc remains protected until reaching the absorption sites in the intestine.

Key Benefits

- ✓ **Enhanced Bioavailability:** Superior absorption rates compared to inorganic zinc sources.
- ✓ **Superior Stability:** Resistant to pH fluctuations and antagonist interactions.
- ✓ **Optimal Performance:** Proven efficacy in promoting growth, immune function, and reproductive health.
- ✓ **Reduced Environmental Impact:** Lower excretion rates due to enhanced absorption.
- ✓ **Versatile Application:** Suitable for aquaculture, livestock, swine, and poultry operations.
- ✓ **Consistent Quality:** Manufactured under stringent quality control protocols.

Technical Specifications

Chemical Formula	C ₄ H ₈ N ₂ O ₄ Zn
Molecular Weight	213.51 g/mol
Appearance	White Powder to off white powder
Zinc Content	18% min.
Nitrogen content	4.5 to 5.5 %
Moisture content	5% max.
pH of 2%(w/v) solution	3 to 5.5
Water solubility (2% w/v)	Soluble & solution is clear.

Applications

Aquaculture: Essential for shrimp and fish growth, shell development, and immune response optimization.

Livestock: Critical for bone development, reproductive performance, and overall metabolic function.

Swine: Supports optimal growth rates, feed conversion efficiency, and reproductive health.

Poultry: Promotes skeletal integrity, feather quality, and eggshell strength.



Feeding Recommendations

Animal Category	Zinc Requirement (ppm)	Recommended Inclusion (g/ton)
Broilers (Starter)	80-100	360-450
Broilers (Grower)	60-80	270-360
Layers	50-80	225-360
Turkeys	60-100	270-450
Swine (Starter)	80-100	360-450
Swine (Grower)	50-80	225-360
Swine (Sows)	50-80	225-360
Dairy Cattle	40-60	180-270
Beef Cattle	30-50	135-225
Sheep/Goats	30-50	135-225
Fish	50-150	225-675
Shrimp	80-200	360-900

Note: These recommendations serve as general guidelines. Specific requirements may vary based on local conditions.

Packaging & Storage

Available in 25 kg multi-layered HDPE bags with inner polyethylene liner. Store in a cool, dry place away from direct sunlight. Shelf life: 24 months from manufacturing date.



Jainex Speciality Chemical

Excellence in Chelated Minerals

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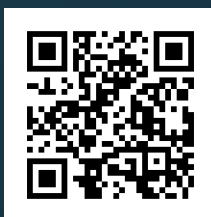
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