



IRON GLYCINATE



Premium Chelated Mineral for Animal Nutrition

SUPERIOR BIOAVAILABILITY | OPTIMAL PERFORMANCE

Introduction

Iron 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 iron absorption, bypassing common antagonists in the gastrointestinal tract.

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

Key Benefits

- ✓ **Enhanced Bioavailability:** Superior absorption rates compared to inorganic iron 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 FeN ₂ O ₄
Molecular Weight	203.96 g/mol
Appearance	Brown Powder
Iron 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	Iron Requirement (ppm)	Recommended Inclusion (g/ton)
Broilers (Starter)	80-100	400-500
Broilers (Grower)	60-80	300-400
Layers	50-80	250-400
Turkeys	60-100	300-500
Swine (Starter)	100-150	500-750
Swine (Grower)	60-100	300-500
Swine (Sows)	80-120	400-600
Dairy Cattle	30-50	150-250
Beef Cattle	25-40	125-200
Sheep/Goats	30-50	150-250
Fish	60-150	300-750
Shrimp	50-100	250-500

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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