

EDTA Iron 13% (EDTA-Fe)

Ferric sodium EDTA chelate supplied with a minimum iron content of 13%.

CAS 15708-41-5	EC 239-802-2	Transport Not regulated · ADR/IMDG/IATA
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Product Information

EDTA-Fe contains iron complexed with ethylenediaminetetraacetate. The supplied material specifies minimum iron content, insoluble matter and selected heavy metals. Molecular formula and molecular weight shown here refer to the documented trihydrate, rather than an anhydrous complex. Iron availability and compatibility depend on the pH, competing ions and other components in the finished nutrient solution. Evaluate the intended application and dilution conditions; the raw chelate does not establish a crop-specific feeding rate.

Specifications

Parameter	Specification
Appearance	Light yellow crystalline powder
Iron	≥13.0 %
Water-insoluble matter	≤0.1 %
Lead	≤0.001 %
Cadmium	≤0.001 %
pH	3.8–6.0

Typical Properties

Property	Typical Value
Molecular formula (component)	C ₁₀ H ₁₂ FeN ₂ NaO ₈ ·3H ₂ O
Molecular weight (component)	421.10 g/mol

Applications

Micronutrient formulations: Use as a chelated iron source in suitable crop-nutrition formulations.

Nutrient solution preparation: Evaluate EDTA-Fe for compatible nutrient solutions where an EDTA iron complex is specified.

Fertilizer blends: Select the 13% iron grade against the target nutrient content and the complete blend specification.

Packaging / Storage

Item	Information
Packaging	25 kg bags.
Storage	Keep sealed in a cool, dry, ventilated place, protected from moisture and incompatible oxidizers.

Company Contact

Supplier	Hainan Zhongxin Chemical Co., Ltd. (ZXCHEM)
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