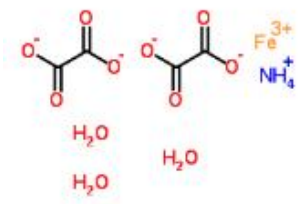


Technical Data Sheet

Basic information

Chemical name	Ferric Ammonium Oxalate	Formula	$(\text{NH}_4)_3\text{Fe} \cdot (\text{C}_2\text{O}_4)_3 \cdot 3\text{H}_2\text{O}$
Synonyms	Ferric ammonium oxalate trihydrate		
CAS.No.	13268-42-3		
EINECS No.	N/A	Chemical structure	
Molecular weight	428.06		

Physical properties

Appearance	Yellow-green crystals
Density	1.78
Solubility	Soluble in water

Specification

Items	Specification
Appearance	Yellow-green crystals
Assay, %	≥ 99.00
pH	4.00 ~ 5.50
Water insoluble matter, %	≤ 0.10
Sulfate (SO ₄), %	≤ 0.05
Chloride (Cl), %	≤ 0.05
Iron (Fe), %	≥ 12.60
Heavy metals (Pb), %	≤ 0.001

Application

Electroplating industry: Ferric Ammonium Oxalate is an important additive in the electroplating process, helping to improve the performance and appearance of the electroplating layer.

Aluminum and aluminum alloy coloring: It can be used for the coloring treatment of aluminum and its alloys, forming a layer of brightly colored and corrosion-resistant film on the surface of aluminum through chemical reaction.

Photographic materials: In the photographic industry, Ferric Ammonium Oxalate is used as a component in the preparation of photosensitive materials, helping to improve the clarity and stability of photos.

Analytical Chemistry: Due to its specific chemical properties, Ferric Ammonium Oxalate is used as a masking agent in analytical

chemistry to mask certain interfering ions, thereby improving the accuracy and sensitivity of the analysis.

Calcium-magnesium precipitator: In chemical experiments, Ferric Ammonium Oxalate can be used as a precipitant for calcium-magnesium ions, helping to remove these ions from solution.

Separation of rare earth metals: Ferric Ammonium Oxalate is also used in the separation process of rare earth metals, combining with rare earth ions through chemical reactions, so as to achieve the separation and purification of rare earth elements.

Precious metal recycling: In the field of precious metal recycling, Ferric Ammonium Oxalate also has certain applications, which can be used to recover precious metals from waste materials.

Package

25kg per bag



Safety on transportation

It belongs to common goods, always refer to MSDS.

Storage and handling

Keep container tightly closed in a dry and well-ventilated place.

Please refer to the Materials Safety Data Sheet (MSDS) for the handling methods.

The information above is believed to be accurate and represents the best information currently available to us. However, In no event shall we be liable for any claims, losses, or damages of any third party resulting from its use.

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