TECHNICAL DATA SHEET

Copper Acetate (Copper(II) Acetate Monohydrate)
Product Name : Copper Acetate Monohydrate
Synonyms : Cupric Acetate / Copper Ethanoate / Verdigris (historical name)
CAS No. : 6046-93-1 (Monohydrate)
EINECS No. : 612-031-2
Molecular Formula : $Cu(CH_3COO)_2 \cdot H_2O$
Molecular Weight : 199.65 g/mol

Product Description

Copper Acetate is a blue-green crystalline powder, slightly hygroscopic, soluble in water and alcohol. It is widely used as a chemical reagent, catalyst, pigment intermediate, and in various industrial and laboratory applications.

Typical Specifications

Appearance		Green crystal
Assay (dry basis)	≥%	98.0
Substances not precipitated by hydrogen sulfide	≤%	0.5
Lead	≤%	0.005
Chloride	≤%	0.05

Specifications can be adjusted according to customer requirements or application.

Manufacturing Process

Copper Acetate is produced by controlled reaction of high-purity copper compounds with acetic acid, followed by purification, crystallization, filtration, and drying. The process ensures consistent quality and effective control of process-related impurities.

Process Impurities Control

Potential process-related impurities mainly include trace inorganic salts, residual acids, and metal impurities. These are effectively controlled through purification steps and routine quality testing, ensuring compliance with applicable industrial and laboratory standards.

Applications

- Chemical intermediate
- Catalyst and catalyst precursor
- Pigment and dye industry
- Wood preservatives (industrial use)
- Laboratory reagent
- Electroplating and surface treatment applications

Packaging

- 25 kg net polypropylene woven bag with inner PE liner
- 25 kg fiber drum (optional)

- Customized packaging available upon request

Storage & Handling
- Store in a cool, dry, and well-ventilated area
- Keep container tightly closed
- Avoid contact with strong oxidizing agents
- Protect from moisture

Shelf Life
24 months from the date of manufacture when stored under recommended conditions.

Safety Information
This product is intended for industrial and laboratory use only. Please refer to the latest **Safety Data Sheet (SDS)** for detailed safety, handling, and regulatory information