

SPECIFICATION

Product Name: Copper Sulphate Stone
Chemical Formula: $\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$
CAS Number: 7758-99-8
Molecular Weight: 249.68 g/mol
Appearance: Fine blue/light blue Stone
Odor: Odorless

Chemical Composition

Parameter	Unit	Typical Value	Specification (Min/Max)
CU	%	25.10 %	Min. 24.75%
PH	-	3.40	3 - 5

Physical Properties

- Solubility: Freely soluble in water. Slightly soluble in methanol. Practically insoluble in ethanol and most organic solvents.

Shelf Life & Storage

- Shelf Life: 5 years from date of manufacture under recommended storage.
- Storage Conditions: Store in a cool, dry, and well-ventilated area. Keep container tightly closed to prevent moisture loss or contamination. Protect from excess heat and direct sunlight. Avoid exposure to moisture variations (can lose water of crystallization on drying). Keep away from incompatible substances such as strong reducing agents and alkalis. Store in corrosion-resistant containers (plastic or coated material preferred).

Applications

- Use: Used as a fungicide, algicide, and pesticide. Controls algae growth in ponds, lakes, and reservoirs. Source of copper trace mineral in feed (used in controlled amounts). Electroplating and metal treatment. Manufacture of pigments and dyes. Used in printing and textile processing.
- Dosage: Depends on water hardness, pH, and application method.

Packaging

- Standard Packing: 50 kg woven PP bags with inner liner, 1 kgs and 100 grams, or as per customer requirement.
- Labeling: Product name, batch number, net weight, manufacture date, expiry date, and manufacturer details.

* Specifications are based on the manufacturer's provided specifications.