

SPECIFICATION

Product Name: Copper Gluconate Food Grade
Chemical Formula: $C_{12}H_{22}CuO_{14}$
CAS Number: 527-09-3
Molecular Weight: 453.84 g/mol
Appearance: Green to blue powder to crystal
Odor: Odorless

Chemical Composition

Parameter	Unit	Typical Value	Specifications Min./Max.
Assay (Chelometric Titration)	%	97.54%	Min. 97%
Specific rotation $[\alpha]_{20/D}$	-	+15.0 to +17.0 deg(C=1, H ₂ O)	+14.0 to +19.0 deg(C=1, H ₂ O)
Solubility in Water	-	Complies	almost transparency

Physical Properties

- Solubility: Soluble in water. Insoluble in ethanol. Insoluble in methanol. Insoluble in acetone. Insoluble in ether. Insoluble in chloroform.

Shelf Life & Storage

- Shelf Life: 5 years from date of manufacture under recommended storage.
- Storage Conditions: Store in a tightly closed, moisture-resistant container in a cool, dry, and well-ventilated place, protected from moisture, heat, direct sunlight, and contamination.

Applications

- Use: Widely used in food fortification, nutraceuticals, dietary supplements, and pharmaceutical formulations. Copper plays an important role in iron metabolism, connective tissue formation, antioxidant defense, and normal nervous system function.
- Dosage: Depends on Age, Nutritional status, Dietary copper intake, Clinical condition, Product formulation, Healthcare professional's recommendation.

Packaging



RAWPHARMA BIZ PRIVATE LIMITED

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- Standard Packing: 25 Kgs Fiber drum and 1 Kgs 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.



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