

SPECIFICATION

Product Name: Cobalt Sulphate
Chemical Formula: CoSO ₄
CAS Number: 10026-24-1
Molecular Weight: 281.11 g/mol
Appearance: Red Color Crystalline Powder
Odor: Odorless

Chemical Composition

Parameter	Unit	Typical Value	Standard
Cobalt As Co	%	20.51	21.50
Nikal As Ni	%	0.0023	0.0081
Copper As Cu	%	0.0077	0.0193
Iron As Fe	%	0.0098	0.0245
Zinc As Zn	%	0.0003	0.0008
PH (10 % Soln.)		4.50	4.70

Physical Properties

- Solubility: Pink to reddish crystalline powder or granules; hygroscopic in nature; freely soluble in water; insoluble in alcohol; stable under normal storage and handling conditions.

Shelf Life & Storage

- Shelf Life: 2 years from date of manufacture under recommended storage
- Storage Conditions: Store in a cool, dry, and well-ventilated area. Keep container tightly closed and protected from moisture, heat, and direct sunlight. Avoid contact with incompatible materials.

Applications

- Use: Source of cobalt in animal feed and mineral mixtures; applied in fertilizers to correct cobalt deficiency in soil; utilized in electroplating processes; used in the manufacture of pigments, catalysts, and other cobalt chemicals; employed in various industrial and laboratory applications.
- Dosage: As per animal nutritionist's recommendation. Actual dosage depends on species, diet composition, and cobalt content of the formulation.

Packaging

- Standard Packing: 25 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.