

SPECIFICATION

Product Name: Cobalt chloride
Chemical Formula: $\text{CoCl}_2 \cdot 6\text{H}_2\text{O}$
CAS Number: 7646-79-9
Molecular Weight: 237.95 g/mol
Appearance: Ruby red crystals
Odor: Odorless

Chemical Composition

Parameter	Unit	Typical Value
Cobalt Content	%	24.5%
Ni	PPM	40 PPM
Fe	PPM	5 PPM
Cu	PPM	2 PPM

Physical Properties

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

Shelf Life & Storage

- Shelf Life: 1 years from date of manufacture under recommended storage.
- Storage Conditions: Store in a cool, dry, and well-ventilated place at 15–30°C. Keep the container tightly closed to protect from moisture and contamination, as cobalt chloride is hygroscopic. Store away from strong oxidizing agents, strong acids, reducing agents, and incompatible chemicals. Protect from direct sunlight and excessive heat, and keep in the original, properly labeled container.

Applications

- Use: Widely used in laboratory, analytical, industrial, and research applications.
- Dosage: Depends on the specific industrial process, analytical method, or research protocol and should be determined according to the relevant technical specifications and standard operating procedures.

Packaging

- Standard Packing: 25 Kgs woven pp bag with inner liner 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.

