

SPECIFICATION

Product Name: Chromic Acid Flakes
Chemical Formula: CrO ₃
CAS Number: 7738-94-5
Molecular Weight: 99.99 g/mol
Appearance: Raddish to dark brownish flakes
Odor: Odorless

Chemical Composition

Parameter	Unit	Typical Value	Specification (Min./Max.)
Chromium Trioxide	%	99.44%	Min. 99.00%
Matter insoluble in water	%	To pass the test	Max. 0.15%
Sulphate	%	To pass the test	Max. 0.20%
Chloride	%	0.031%	Max. 0.050%

Physical Properties

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

Shelf Life & Storage

- Shelf Life: 2 years from date of manufacture under recommended storage.
- Storage Conditions: Store in a cool, dry, and well-ventilated place in a tightly closed, corrosion-resistant container. Protect from moisture, heat, direct sunlight, and contamination. Keep away from organic materials, reducing agents, flammable substances, and combustible materials, as Chromic Acid Flakes are a strong oxidizing agent.

Applications

- Use: Widely used as a strong oxidizing agent in metal finishing, chrome plating, metal cleaning and etching, anodizing, wood preservation, pigment manufacturing, and laboratory chemical processes. They are also used in industrial surface treatment applications requiring oxidation and corrosion resistance.

-Dosage: Depends on the specific process (such as chrome plating, metal treatment, or laboratory procedures) and should be determined according to the applicable process specifications, safety procedures, and technical guidelines.

Packaging

- Standard Packing: 50 Kgs Steel Drum 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.