Creative Enzymes®

Industrial Chromium Trioxide Crystals

Cat. No. CEGZ-6331

Lot. No. (See product label)

Introduction

Description	Industrial chromium trioxide is a purple-red crystalline inorganic oxidizer. The industrial material is supplied as dark-red flakes and is readily deliquescent.
Applications	Used for chromium plating, metal passivation, preparation of chromium-containing catalysts and chrome-yellow pigments, oxidizing-agent applications, and wood-preservation formulations.

Product Information

Appearance	Purple-red needle-like crystals; industrial material is dark-red flakes.
Form	Crystalline or flake solid
Molecular Formula	CrO_3
Molecular Weight	99.99
Thermal stability	Decomposes at 200-250°C with oxygen release.
Solubility	Soluble in water, sulfuric acid, alcohol, and ether.
Quality	Superior grade: CrO_3 ≥99.8%; water-insoluble matter ≤0.01%; sulfate (as SO_4) ≤0.05%; sodium (Na) ≤0.04%; turbidity ≤5. First grade: CrO_3 ≥99.6%; water-insoluble matter ≤0.03%; sulfate (as SO_4) ≤0.10%; turbidity ≤15. Qualified grade: CrO_3 ≥99.2%; water-insoluble matter ≤0.05%; sulfate (as SO_4) ≤0.20%.

Usage and Packaging

Package	25 kg or 50 kg package.

Storage and Shipping Information

Storage	Keep tightly sealed.