Creative Enzymes®

Industrial Sodium Dichromate Dihydrate

Cat. No. CEGZ-6332

Lot. No. (See product label)

Introduction

Description	Industrial sodium dichromate dihydrate is supplied as bright orange-red needle-like crystals. On heating to 84.6°C it loses crystal water to form an orange anhydrous material.
Applications	Used to manufacture chromic anhydride and other chromates and chrome-yellow pigments. It is also used for steel and metal etching and passivation, as a cooling-water buffering agent, textile mordant, wood preservative, oil-bleaching agent, and as an oxidizing agent in the synthesis of fragrances, pharmaceuticals, and dyes.

Product Information

Appearance	Bright orange-red needle-like crystals.
Form	Crystalline solid
Molecular Formula	$Na_2Cr_2O_7 \cdot 2H_2O$
Molecular Weight	298.00
Thermal stability	Loses crystal water at 84.6°C; decomposes at 400°C with oxygen release.
Solubility	Soluble in water; insoluble in ethanol.
Quality	Superior grade: $Na_2Cr_2O_7 \cdot 2H_2O$ ≥99.5%; sulfate (as SO_4) ≤0.20%; chloride (as Cl) ≤0.07%. First grade: $Na_2Cr_2O_7 \cdot 2H_2O$ ≥98.3%; sulfate (as SO_4) ≤0.30%; chloride (as Cl) ≤0.10%. Qualified grade: $Na_2Cr_2O_7 \cdot 2H_2O$ ≥98.0%; sulfate (as SO_4) ≤0.40%; chloride (as Cl) ≤0.20%.

Usage and Packaging

Package	50 kg high-strength composite bag.

Storage and Shipping Information

Storage	Keep tightly sealed.