

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

$\text{Na}_2\text{Cr}_2\text{O}_7 \cdot 2\text{H}_2\text{O}$

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: $\text{Na}_2\text{Cr}_2\text{O}_7 \cdot 2\text{H}_2\text{O} \geq 99.5\%$; sulfate (as SO_4) $\leq 0.20\%$; chloride (as Cl) $\leq 0.07\%$. First grade: $\text{Na}_2\text{Cr}_2\text{O}_7 \cdot 2\text{H}_2\text{O} \geq 98.3\%$; sulfate (as SO_4) $\leq 0.30\%$; chloride (as Cl) $\leq 0.10\%$. Qualified grade: $\text{Na}_2\text{Cr}_2\text{O}_7 \cdot 2\text{H}_2\text{O} \geq 98.0\%$; sulfate (as SO_4) $\leq 0.40\%$; chloride (as Cl) $\leq 0.20\%$.

Usage and Packaging

Package

50 kg high-strength composite bag.

Storage and Shipping Information

Storage

Keep tightly sealed.