

Industrial Potassium Dichromate Crystals

Cat. No. CEGZ-6330

Lot. No. (See product label)

Introduction

Description

Industrial potassium dichromate is an orange-red crystalline inorganic oxidizing material supplied as triclinic plate-like crystals. The material is non-hygroscopic, dissolves in water, and is insoluble in ethanol.

Applications

Used in the manufacture of chromium dioxide, chrome-yellow anticorrosive pigments, chrome green, matches, electroplating, and as an oxidizing agent. It is also used in glass, ceramics, mordant-dyeing applications, and chemical-reagent preparation.

Product Information

Appearance

Orange-red triclinic plate-like crystals.

Form

Crystalline solid

Molecular Formula

$K_2Cr_2O_7$

Molecular Weight

294.18

Thermal stability

Decomposes at 500°C.

Melting Point

398°C

Solubility

Soluble in water; insoluble in ethanol.

Quality

Superior grade: $K_2Cr_2O_7 \geq 99.7\%$; chloride (as Cl) $\leq 0.05\%$; water-insoluble matter $\leq 0.02\%$; sulfate (as SO_4) $\leq 0.02\%$; moisture $\leq 0.03\%$; sodium (Na) $\leq 0.5\%$. First grade: $K_2Cr_2O_7 \geq 99.5\%$; chloride (as Cl) $\leq 0.05\%$; water-insoluble matter $\leq 0.02\%$; sulfate (as SO_4) $\leq 0.05\%$; moisture $\leq 0.05\%$; sodium (Na) $\leq 1.0\%$. Qualified grade: $K_2Cr_2O_7 \geq 99.0\%$; chloride (as Cl) $\leq 0.08\%$; water-insoluble matter $\leq 0.05\%$; sulfate (as SO_4) $\leq 0.05\%$; moisture $\leq 0.05\%$; sodium (Na) $\leq 1.5\%$.

Usage and Packaging

Package

50 kg high-strength composite bag.