

**Potassium chromate, for analysis, ExpertQ®, ACS****Identification**

$K_2CrO_4$   
M = 194,2 g/mol  
CAS [7789-00-6]  
EC number: 232-140-5  
Taric code: 2841 50 00

**Synonyms**

Chromic acid potassium salt

**Applications**

analytical chemistry, laboratory reagent, in the production of enamels, inorganic salts.

**Specifications**

assay (iodometric).....	min. 99,5 %	sulfates ( $SO_4$ ).....	max. 0,01 %
insoluble in water.....	max. 0,005 %	calcium (Ca).....	max. 0,005 %
pH (5 %, $H_2O$ ).....	8,6 - 9,8	lead (Pb).....	max. 0,005 %
chlorides (Cl).....	max. 0,002 %	sodium (Na).....	max. 0,02 %

**Physical data**

- Appearance: crystals, yellow
- Spec. Density: (20 °C) 2,73 g/cm<sup>3</sup>
- Bulk density: ~ 1400 kg/m<sup>3</sup>
- Solub. in water: (20 °C): 630 g/l
- Melting point: 968,3 °C
- Boiling point: 1000 °C
- pH(50 g/l  $H_2O$ , 20 °C) 8,6 - 9,8

**Safety - GHS**

**Signal Word:** Danger

**Hazard Statements:**

- H315: Causes skin irritation.  
H319: Causes serious eye irritation.  
H317: May cause an allergic skin reaction.  
H335: May cause respiratory irritation.  
H340: May cause genetic defects.  
H350i: May cause cancer by inhalation.  
H410: Very toxic to aquatic life with long lasting effects.

**Precautionary Statements:**

- P261: Avoid breathing dust / fume / gas / mist / vapours / spray.  
P280: Wear protective gloves / protective clothing / eye protection / face protection.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P321: Specific treatment (see on this label).  
P405: Store locked up.  
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

**Transport/storage**

- ADR: 6.1 T5 II • UN 3288 • TOXIC SOLID, INORGANIC, N.O.S.(Potassium chromate)
- IMDG: 6.1 II • UN 3288 • TOXIC SOLID, INORGANIC, N.O.S. (Potassium chromate)
- IATA/ICAO: 6.1 II • UN 3288 • TOXIC SOLID, INORGANIC, N.O.S. (Potassium chromate)
- PAX: 669
- CAO: 676