

**Potassium dichromate, solution 1/24 mol/l (0,25 N)****Identification**

$K_2Cr_2O_7$   
M = 294,19 g/mol  
CAS [7778-50-9]  
EC number: 231-906-6  
Taric code: 2841 50 00

**Applications**

analytical chemistry, titrant in volumetric analysis, oxidizing agent, synthesis of organic products.

**Specifications**

factor..... 0,999 - 1,001  
uncertainty  $\pm$  0,001

1 ml = 0,012258 g  $K_2Cr_2O_7$

This volumetric solution was checked by means of potentiometric methods using a sodium thiosulfate standard solution, that was also checked against Scharlau's potassium iodate volumetric standard. Scharlau's volumetric standards are directly traceable to the Standard Reference Materials from NIST (National Institute of Standards and Technology, USA).

**Physical data**

- Density: 1,01 g/cm<sup>3</sup>
- pH(20 °C) ~ 3,8

**Safety - GHS**

**Signal Word:** Danger

**Hazard Statements:**

- H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- H340: May cause genetic defects.
- H350: May cause cancer.
- H360FD: May damage fertility. May damage the unborn child.
- H373: May cause damage to organs through prolonged or repeated exposure.
- H315: Causes skin irritation.
- H319: Causes serious eye irritation.
- H317: May cause an allergic skin reaction.
- H412: Harmful to aquatic life with long lasting effects.

**Precautionary Statements:**

- P260: Do not breathe dust / fume / gas / mist / vapours / spray.
- P284: Wear respiratory 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 T4 III • UN 3287 • TOXIC LIQUID, INORGANIC, N.O.S. (Potassium dichromate, solution 1/24 mol/l)
- IMDG: 6.1 III • UN 3287 • TOXIC LIQUID, INORGANIC, N.O.S. (Potassium dichromate, solution 1/24 mol/l)
- IATA/ICAO: 6.1 III • UN 3287 • TOXIC LIQUID, INORGANIC, N.O.S. (Potassium dichromate, solution 1/24 mol/l)
- PAX: 611
- CAO: 618
- 10°C - 30°C