

Potassium dichromate, solution 1/60 mol/l (0,1N)**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.

Specifications

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

1 ml = 0,004903 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: 1,002 g/cm³
- pH(20 °C) ~ 4,1

Safety - GHS

Signal Word: Danger

**Hazard Statements:**

H340: May cause genetic defects.
H350: May cause cancer.
H360FD: May damage fertility. May damage the unborn child.
H412: Harmful to aquatic life with long lasting effects.
EUH208: May produce an allergic reaction.

Precautionary Statements:

P261: Avoid breathing dust / fume / gas / mist / vapours / spray.
P280: Wear protective gloves / protective clothing / eye protection / face protection.
P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P312: Call a POISON CENTER or doctor / physician if you feel unwell.
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 1/60 mol/l)
- IMDG: 6.1 III • UN 3287 • TOXIC LIQUID, INORGANIC, N.O.S. (Potassium dichromate, solution 1/60 mol/l)
- IATA/ICAO: 6.1 III • UN 3287 • TOXIC LIQUID, INORGANIC, N.O.S. (Potassium dichromate, solution 1/60 mol/l)
- PAX: 611
- CAO: 618
- 15°C - 25°C