

**Identification**

KCl  
M = 74,56 g/mol  
CAS [7447-40-7]  
EC number: 231-211-8  
Taric code: 3104 20 10

**Synonyms**

Chloro potassium

**Applications**

analytical chemistry, laboratory reagent, photography, in buffer solutions, electrolyte for batteries.

**Specifications**

assay (argentometric).....	min. 99,5 %	total nitrogen (as N).....	max. 0,001 %
insoluble in water.....	max. 0,01 %	barium (Ba).....	max. 0,001 %
pH (5 %, H <sub>2</sub> O).....	5,5 - 8,0	calcium (Ca).....	max. 0,001 %
bromides (Br).....	max. 0,05 %	heavy metals (as Pb).....	max. 5 ppm
iodides (I).....	max. 0,002 %	iron (Fe).....	max. 3 ppm
phosphates (as PO <sub>4</sub> ).....	max. 0,0005 %	magnesium (Mg).....	max. 0,002 %
sulfates (SO <sub>4</sub> ).....	max. 0,005 %	sodium (Na).....	max. 0,02 %

**Physical data**

- Appearance: crystals, white
- Spec. Density: 1,98 g/cm<sup>3</sup>
- Bulk density: ~ 1000 kg/m<sup>3</sup>
- Solub. in water: (20 °C): 330 g/l
- Melting point: 773 °C
- Boiling point: 1413 °C
- pH(50 g/l H<sub>2</sub>O, 20 °C) ~ 5,5 - 8,5

**Transport/storage**

- 10°C - 30°C