

**Potassium chloride**, secondary standard for volumetric titrations,  
Titrasure®**Identification**

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


**Synonyms**

Chloro potassium

**Specifications**

assay (on dried sample).....	99,0 - 100,5 %	sulfates (SO <sub>4</sub> ) .....	max. 0,001 %
insoluble in water.....	max. 0,005 %	barium (Ba).....	passes test
pH (5 %, H <sub>2</sub> O, 25 °C).....	5,4 - 8,6	calcium (Ca).....	max. 0,002 %
bromides (Br).....	max. 0,01 %	heavy metals (as Pb).....	max. 0,0005 %
chlorates and nitrates (as NO <sub>3</sub> ).....	max. 0,003 %	iron (Fe).....	max. 0,0003 %
iodides (I).....	max. 0,002 %	magnesium (Mg).....	max. 0,001 %
phosphates (as PO <sub>4</sub> ).....	max. 0,0005 %	sodium (Na).....	max. 0,005 %

**Packaging****Packaging Code**

100 g  D

**Physical data**

- 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

**Toxicological data**

- LD 50 (oral, rat): 2600 mg/kg
- WGK: 1
- Poison class CH (Swiss): 5