

**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 ₄)	max. 0,001 %
insoluble in water.....	max. 0,005 %	barium (Ba).....	passes test
pH (5 %, H ₂ 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 ₃).....	max. 0,003 %	iron (Fe).....	max. 0,0003 %
iodides (I).....	max. 0,002 %	magnesium (Mg).....	max. 0,001 %
phosphates (as PO ₄).....	max. 0,0005 %	sodium (Na).....	max. 0,005 %

Packaging**Packaging Code**

100 g  D

Physical data

- Spec. Density: 1,98 g/cm³
- Bulk density: ~ 1000 kg/m³
- Solub. in water: (20 °C): 330 g/l
- Melting point: 773 °C
- Boiling point: 1413 °C
- pH(50 g/l H₂O, 20 °C) ~ 5,5 - 8,5

Toxicological data

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