

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 %
insoluble in water.....max. 0,005 %
pH (5 %, H₂O, 25 °C).....5,4 - 8,6
bromides (Br).....max. 0,01 %
chlorates and nitrates (as NO₃).....max. 0,003 %
iodides (I).....max. 0,002 %
phosphates (as PO₄).....max. 0,0005 %
sulfates (SO₄).....max. 0,001 %

barium (Ba).....passes test
calcium (Ca).....max. 0,002 %
heavy metals (as Pb).....max. 0,0005 %
iron (Fe).....max. 0,0003 %
magnesium (Mg).....max. 0,001 %
sodium (Na).....max. 0,005 %

This standard solution is traceable to Standard Reference Material from NIST.

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

Transport/storage

- 10°C - 30°C