

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, in pharma industry.

Specifications

assay (argentometric, on dried sample).....	99 - 101 %	heavy metals (as Pb).....	max. 0,001 %
identification.....	passes test	iron (Fe).....	max. 0,002 %
appearance of solution.....	clear and colourless	magnesium and alkaline-earth	
acidity or alkalinity.....	passes test	metals (as Ca).....	max. 0,02 %
bromides (Br).....	max. 0,1 %	sodium (Na).....	max. 0,1 %
iodides (I).....	passes test	loss on drying (105 °C, 3 h).....	max. 1 %
sulfates (SO ₄)	max. 0,03 %	Residual solvents are analysed	
aluminium (Al).....	max. 0,0001 %	according to guideline	
barium (Ba).....	passes test	CPMP/ICH/283/95.	

Packaging**Packaging Code**

500 g  PO01990500
1 kg  PO01991000
5 kg  PO0199005P
25 kg  PO0199025P

Physical data

- Appearance: crystals , white
- 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