

Potassium chloride, Pharmapur®, Ph Eur, BP, USP

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).....	99,0 - 100,5 %	bromides (Br) USP.....	max. 0,1 %
assay (argentometric, on dried sample)	99,0 - 101,0 %	iodides (I).....	max. 0,005 %
Identification potassium EP.....	passes test	iodides (I).....	passes test
Identification chloride EP.....	passes test	sulfates (SO ₄).....	max. 300 ppm
Identification potassium USP.....	passes test	barium (Ba).....	passes test
Identification chloride USP.....	passes test	iron (Fe).....	max. 20 ppm
appearance of solution.....	clear and colourless	magnesium and alkaline-earth metals (as Ca)...	max. 200 ppm
acidity or alkalinity (EP).....	passes test	calcium and magnesium.....	passes test
acidity or alkalinity (USP).....	passes test	sodium (Na).....	passes test
bromides (Br) EP.....	max. 0,1 %	loss on drying (105 °C, 2h).....	max. 1,0 %
		loss on drying (105 °C, 3 h).....	max. 1,0 %

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

Transport/storage

- 10°C - 30°C