

Identification

KI
M = 166,01 g/mol
CAS [7681-11-0]
EC number: 231-659-4
Taric code: 2827 60 00

Synonyms

Knollide





Applications

analytical chemistry, laboratory reagent, emulsifier (photography).

Specifications

assay (argentometric)	min. 99,5 %	barium (Ba).....	max. 0,002 %
insoluble in water.....	max. 0,005 %	calcium (Ca).....	max. 0,001 %
pH (5 %, H ₂ O).....	6,0 - 9,2	copper (Cu).....	max. 0,0002 %
chlorides and bromides (as Cl).....	max. 0,01 %	heavy metals (as Pb).....	max. 0,0005 %
iodates (IO ₃) and iodine (I) (as IO ₃)	max. 0,0002 %	iron (Fe).....	max. 0,0003 %
phosphates (as PO ₄).....	max. 0,001 %	lead (Pb).....	max. 0,0002 %
sulfates (SO ₄)	max. 0,001 %	magnesium (Mg).....	max. 0,001 %
thiosulfates (S ₂ O ₃).....	max. 0,005 %	sodium (Na).....	max. 0,005 %
total nitrogen (as N).....	max. 0,001 %	reducing substances.....	passes test
arsenic (As).....	max. 0,00001 %	loss on drying (150°C, 6 h).....	max. 0,2 %

Packaging**Packaging Code**

250 g  PO04100250
500 g  PO04100500
1 kg  PO04101000
5 kg  PO0410005P

Physical data

- Appearance: crystals, white or almost white
- Spec. Density: 3,13 g/cm³
- Bulk density: ~ 1500 kg/m³
- Solub. in water: (20 °C): soluble
- Melting point: 686 °C
- Boiling point: 1330 °C
- Vapour pressure: (745 °C) 1,3 hPa
- pH(50 g/l H₂O, 20 °C) ~ 6,9
- Hygroscopic

Toxicological data

- LD 50 (oral, rat): 2779 mg/kg
- WGK: 1
- Poison class CH (Swiss): 4