

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), in pharma industry.

Specifications

assay (titrimetric, referred to dried sample).....	99,0 - 100,5 %	sulfates (SO ₄).....	max. 150 ppm
Identification iodides.....	passes test	thiosulfates (S ₂ O ₃).....	passes test
Identification potassium.....	passes test	thiosulfates and barium.....	passes test
appearance of solution.....	clear and colourless	nitrate, nitrite and ammonia.....	passes test
alkalinity.....	passes test	iron (Fe).....	max. 20 ppm
iodates (IO ₃).....	passes test	loss on drying (105 °C, 3 h).....	max. 1,0 %
		loss on drying (105 °C, 4h)	max. 1,0 %

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

Safety - GHS

Signal Word: Danger

Hazard Statements:

H372: Causes damage to organs through prolonged or repeated exposure.

**Precautionary Statements:**

- P260: Do not breathe dust / fume / gas / mist / vapours / spray.
P264: Wash thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P314: Get medical advice / attention if you feel unwell.
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.