

POTASSIUM IODIDE

Potasu jodek

KI

M = 166,01 g/mol

CAS: 7681-11-0

WE: 231-659-4

H: not applicable
 P: not applicable
 RID/ADR: not applicable UN: not applicable

Physical and chemical properties:

| | | | |
|----------------------------|--|-----------------------|-------------------------------|
| Character: | solid | Explosion limits: | not applicable |
| Colour: | colourless to white | Vapour pressure: | no data |
| Odor: | odorless | Density: | 3,13 g/cm ³ (20°C) |
| pH: | approx 6,9 (50 g/l H ₂ O, 20°C) | Bulk density: | approx 1500 kg/m ³ |
| Melting point: | 686°C | Solubility: | |
| Boiling point: | 1330°C | in water: | 1430 g/l (20°C) |
| Auto-ignition temperature: | not applicable | in organic solvents: | no data |
| Ignition temperature: | not applicable | log P _{ow} : | 0,04 (obl.) |

potassium iodide pure

CHEM*427431609

| | | | |
|-------|-------|------------------------------------|---------------------|
| 25 g | 50 g | Appearance | colourless crystals |
| 100 g | 250 g | Assay | min. 99,0 % |
| 500 g | 750 g | Moisture | max. 0,6 % |
| 1 kg | 5 kg | Substances insoluble in water | max. 0,02 % |
| 10 kg | 15 kg | Chlorides and bromides (as Cl) | max. 0,1 % |
| 25 kg | | Iodates and jod (IO ₃) | max. 0,01 % |
| | | Sulfates (SO ₄) | max. 0,01 % |
| | | Heavy metals (as Pb) | max. 0,001 % |
| | | Magnesium (Mg) | max. 0,005 % |
| | | Sodium (Na) | max. 0,2 % |
| | | Calcium (Ca) | max. 0,01 % |
| | | Iron (Fe) | max. 0,001 % |

potassium iodide pure p. a.**CHEM*117431609**

| | | | |
|-------|-------|-------------------------------|---------------------|
| 25 g | 50 g | Appearance | colourless crystals |
| 100 g | 250 g | Assay | min. 99,5 % |
| 500 g | 750 g | Moisture | max. 0,1 % |
| 1 kg | 2 kg | Substances insoluble in water | max. 0,005 % |
| 5 kg | 10 kg | pH (5%, 20°C) | 6,0 – 8,0 |
| 15 kg | 20 kg | Total nitrogen (N) | max. 0,001 % |
| | | Chlorides i bromides (as Cl) | max. 0,01 % |
| | | Phosphates (PO ₄) | max. 0,001 % |
| | | Iodates (IO ₃) | max. 0,0003 % |
| | | Sulfates (SO ₄) | max. 0,001 % |
| | | Heavy metals (as Pb) | max. 0,0005 % |
| | | Arsenic (As) | max. 0,00001 % |
| | | Magnesium (Mg) | max. 0,001 % |
| | | Sodium (Na) | max. 0,05 % |
| | | Calcium (Ca) | max. 0,001 % |
| | | Iron (Fe) | max. 0,0003 % |