

POTASSIUM IODATE

- KIO₃
- M = 214,00 g/mol
- CAS [7758-05-6]
- EINECS-No.: 231-831-9
- Solub. in water: (20 °C): soluble
- Melting point: 560 °C
- ADR: 5.1 O2 II UN 1479

- IMDG: 5.1 II UN 1479
- IATA/ICAO: 5.1 II UN 1479
- GHS-signal word: Danger
- GHS-H sentences: H272
- GHS-P sentences: P221 - P210 - P220 - P280 - P370 + P378a - P501a
- Tariff number: 2829 90 80 00

- Applications: analytical chemistry, laboratory reagent, titrant in volumetric analysis (oxidizing agent), in food industry.
- Appearance: Off-white crystalline powder

PO0401 Potassium iodate, EssentQ®



assay (iodometric) 99,0 - 101,0 %
identity (IR-spectrum) passes test
insoluble in water max. 0,05 %
pH (5 %, H₂O) 4,0 - 8,0
chlorides and bromides (as Cl) max. 0,05 %
iodides (I) max. 0,002 %
nitrogen compounds (as N) max. 0,01 %

sulfates (SO₄) max. 0,01 %
iron (Fe) max. 0,002 %
loss on drying (130 °C) max. 0,1 %

ART. NO.	VOLUME	CONTAINER
PO04010100	100 g	
PO04010250	250 g	
PO04011000	1 kg	
PO0401025P	25 kg	

PO0400 Potassium iodate, ExpertQ®, for analysis, ACS, ISO, Reag. Ph Eur



assay (iodometric) 99,7 - 100,4 %
identity (IR-spectrum) passes test
insoluble in water max. 0,005 %
pH (5 %, H₂O) 5,0 - 8,0
chlorides, chlorates, bromides
and bromates (as Cl) max. 0,01 %
chlorides and bromides (as Cl) max. 0,01 %
iodides (I) max. 0,001 %

sulfates (SO₄) max. 0,005 %
nitrogen compounds (as N) max. 0,002 %
arsenic (As) max. 2 ppm
heavy metals max. 5 ppm
iron (Fe) max. 0,001 %
sodium (Na) max. 0,005 %
loss on drying (130 °C) max. 0,05 %

ART. NO.	VOLUME	CONTAINER
PO04000100	100 g	
PO04000250	250 g	
PO04001000	1 kg	

PO0404 Potassium iodate, secondary standard for volumetric titrations, Titrasure®



assay (on dried sample) 99,4 - 100,4 %
chlorides and bromides (as Cl) max. 0,01 %
iodides (I) max. 0,001 %
sulfates (SO₄) max. 0,005 %

total nitrogen (as N) max. 0,005 %
heavy metals (as Pb) max. 0,0005 %
iron (Fe) max. 0,001 %
sodium (Na) max. 0,005 %

ART. NO.	VOLUME	CONTAINER
PO04040100	100 g	

POTASSIUM IODIDE

- Synonyms: Knollide
- KI
- M = 166,01 g/mol
- CAS [7681-11-0]
- EINECS-No.: 231-659-4

- Solub. in water: (20 °C): soluble
- Melting point: 686 °C
- Boiling point: 1330 °C
- Vapour pressure: (745 °C) 1,3 hPa
- LD 50 (oral, rat): 2779 mg/kg

- Tariff number: 2827 60 00 90
- Applications: analytical chemistry, laboratory reagent, emulsifier (photography).

PO0411 Potassium iodide, extra pure, Phampur®, Ph Eur, BP, USP

assay (argentometric, referred to dried sample) 99,0 - 100,5 %
identification passes test
appearance of solution clear and colourless
alkalinity passes test
iodates (IO₃) passes test
sulfates (SO₄) max. 150 ppm
thiosulfates (S₂O₃) passes test
thiosulfates and barium passes test

nitrates, nitrites and ammonia passes test
iron (Fe) max. 20 ppm
loss on drying (105 °C, 3 h) max. 1,0 %
loss on drying (105 °C, 4h) max. 1,0 %
Elemental impurities are analysed according to guideline CHMP/ICH/353369/2013.
Residual solvents are analysed according to guideline CPMP/ICH/283/95.

ART. NO.	VOLUME	CONTAINER
PO04110250	250 g	
PO04110500	500 g	
PO04111000	1 kg	
PO0411005P	5 kg	