



PRODUCT CODE: 241540

Potassium Iodate standard for volumetry, ACS, ISO

Primary Chemical Matter

IKO_3

KIO_3

M.= 214,00

CAS [7758-05-6]

EINECS 231-831-9

TARIC 2829 90 80 00

PHYSICAL DATA: Small crystals, White, Soluble in water 47 g/l at 20 °C Thermal decom. above 560 °C • D 3,93 •
M.P.: 560 °C • pH(50g/l)6 •

BIBLIOGRAPHY: Merck Index **12**, 7.808 13, 7.726 Sax **PLK250** • Safety **2** , **2905 C** • Römp **8** , **2019** • ACS **XI** •
ISO 6353/3-1987 R - 83 , 56 • F.C.C **10 11** •

HAZARDOUS: RTECS: NN 1350000 • LD L0 oral mus 531 mg/kg • LD50 ipr mus 136 mg/kg



H: H272 •

P: P210 • P220 • P221 • P280 • P370+P378 •

TRANSPORT REGULATIONS: UN: 1479 • ADR: 5.1/II • IMDG: 5.1/II • IATA: 5.1/II • PAX: 558 • CAO: 562 • (E)
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SPECIFICATIONS:

Uncertainty
Traceability
Assay (Iodom.) (after drying at 130°C)

See certificate
NIST
99,95-100,05%

pH of 5% solution	5,0-8,0
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Maximum limit of impurities

Insoluble matter in H ₂ O	0,005 %
Nitrogen compounds (as N)	0,002%
Sulfate (SO ₄)	0,005%
Iodide (I)	0,001%
Bromide and Chloride (as Cl)	0,01%
Heavy Metals (ICP-OES)	0,0005 %

As	0,0001	%
Ca	0,001	%
Cd	0,0005	%
Co	0,0005	%
Cu	0,0005	%
Fe	0,001	%
Mg	0,001	%
Mn	0,0005	%
Na	0,005	%
Ni	0,0005	%
Pb	0,0005	%
Zn	0,0005	%