

**PRODUCT CODE: 131540****Potassium Iodate (Reag. USP, Ph. Eur.) for analysis, ACS**IKO<sub>3</sub>KIO<sub>3</sub>

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 **12 13** •

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



H: H272 • H315 • H319 • H335 •

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) •

**SPECIFICATIONS:**

Assay (Iodom.) 99,4-100,4%

pH of 5% solution 5,0-8,0

**Maximum limit of impurities**Insoluble matter in H<sub>2</sub>O 0,005 %

Loss on drying at 130°C 0,05%

Nitrogen compounds (as N) 0,002%

Sulfate (SO<sub>4</sub>) 0,005%

|                              |          |   |
|------------------------------|----------|---|
| Iodide (I)                   | 0,001%   |   |
| Bromide and Chloride (as Cl) | 0,01%    |   |
| Heavy Metals (ICP-OES)       | 0,0005 % |   |
| As                           | 0,0001   | % |
| 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   | % |