

**PRODUCT CODE: 141542****Potassium Iodide (USP, BP, Ph. Eur.) pure, pharma grade**

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IK  
KI

M.= 166,01

CAS [7681-11-0]

EINECS 231-659-4

TARIC 2827 60 00 00

**PHYSICAL DATA:** powder, crystals, White, Soluble in water 1.270 g/l at 20 °C D 3,12 • M.P.: 680 °C • B.P.: 1.330 °C • pH(50g/l)6,9 •**BIBLIOGRAPHY:** Merck Index **12**, 7.809 13, 7.727 Sax **PLK500** • Safety **2**, **2905 D** • Römp **8**, **2019** • Kühn-Birett **K 12** • Fieser **5327 6227** • ACS **XI** • ISO 6353/2-1983 R - 25, 34 • BP.**2018** • USP **41** • Ph. Eur. **8.0** (2014) **9.0** (2017) • F.C.C **10 11** • DAB 10 (1991) •**HAZARDOUS:** RTECS: TT 2975000 • LD L0 oral mus 1.862 mg/kg •

H: H372 •

P: P260 • P264 • P270 • P314 • P501 •

**OBSERVATIONS:** Storage away from direct light. •**SPECIFICATIONS:**

Assay calc. a.d.s.	99,0-100,5 %
Identity :	
Identity according to Pharmacopoeias:	passes test
<b>Maximum limit of impurities</b>	
Appearance of solution	passes test
Alkalinity	passes test

Insoluble matter in H <sub>2</sub> O	0,01 %
Loss on drying at 105°C	1,0%
Sulfate (SO <sub>4</sub> )	0,015%
Residual solvents (Ph.Eur/USP)	passes test
Chloride and bromide (as Cl)	0,05%
Nitrate, nitrite and ammonia	passes test
Thiosulfate	passes test
Iodate	passes test
Heavy metals (as Pb)	0,001%
Ba	passes test
Fe	0,002 %
Elemental impurities (ICH Q3D):	
Class 1	
Cd	0,5 ppm
Pb	0,5 ppm
As	1,5 ppm
Hg	1,5 ppm
Class 2A	
Co	5 ppm
V	10 ppm
Ni	20 ppm
Class 2B	
Tl	0,8 ppm
Au	10 ppm
Pd	10 ppm
Ir	10 ppm
Os	10 ppm
Rh	10 ppm
Ru	10 ppm
Se	15 ppm
Ag	15 ppm
Pt	10 ppm
Class 3	
Li	55 ppm
Sb	120 ppm
Ba	140 ppm
Mo	25 ppm
Cu	250 ppm
Sn	600 ppm
Cr	25 ppm