



PRODUCT CODE: 141771

Iodine resublimed pearls (USP, BP, Ph. Eur.) pure, pharma grade

I₂
I₂

M.= 253,81

CAS [7553-56-2]

EINECS 231-442-4

TARIC 2801 20 00 00

PHYSICAL DATA: Bluish-black lustrous pearls, Soluble in water 0,3 g/l at 20 °C D 4,93 • M.P.: 113,6 °C • B.P.: 185,24 °C • Vap. press. (20 °C) 0,28 hPa •

BIBLIOGRAPHY: Merck Index **12**, 5.034 13, 5.036 Sax **IDM000** • Safety **2**, **1988 D** • Römp **8**, **1908** • Kühn-Birett **J 1** • Fieser **1498 2200 3109 4258 5346 6293 7179 8256 9248 10210 1161 12253 13148 14181 15172** • ACS **XI** • ISO 6353/3-1987R - 68 , 36 • BP.**2018** • USP **41** • Ph. Eur. **8.0** (2014) **9.0** (2017) • Royal Decree **I1160** •

HAZARDOUS: C.E: 053-001-00-3 • RTECS: NN 1575000 • LD50 oral rat 315 mg/kg • LC50 rat 4.588 mg/l / 4h, EPA OPPTS 870.1200 • LD50 skn rbt 1.425 mg/kg / (OECD 403) • NOAEL rat 10 mg/kg 24hNOAEL rat 0,375 mg/kg 100 dVLA-EC 0,1 ppm1 mg/m3 DNEL Population, Dermal, short term (acute) 0.01mg/kg/24h Population, Dermal, long term (prolonged exposure) 0.01mg/kg/24h Population Inhalation, short term (acute) 1 mg/m3 Population Inhalation, long term (prolonged exposure) 0,07 mg/m3 PNEC Freshwater 18.13µg/l Soil 5.95mg/kg Marine water 60.01µg/l Sewage treatment plant 11mg/l Sediment 3.99mg/kg Marine water 20.22mg/kg



H: H302+H312+H332 • H315 • H319 • H335 • H372 • H400 •

P: P260 • P280 • P273 • P305+P351+P338 • P302+P352 • P304+P340 • P501 •

TRANSPORT REGULATIONS: UN: 3495 • ADR: 8(6.1)/III • IMDG: 8(6.1)/III • IATA: 8(6.1)/III • PAX: 860 • CAO: 864 • (E) •

SPECIFICATIONS:

Assay (Iodom.)	99,8-100,5%
Identity :	
Identity according to Pharmacopoeias:	passes test

Maximum limit of impurities

Non-volatile matter	0,05 %
Residual solvents (Ph.Eur/USP)	passes test
Chloride and bromide (as Cl)	0,025%

Elemental impurities (ICH Q3D):

Class 1

Cd	0,5 ppm
Pb	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