



Specification

Concerning Product:	
Article number	7553562AP
Trade name / designation / denomination	Jod resublimiert, rein
CAS number	7553-56-2
Other names / synonyms	•Iodine pills; •Iodine resublime; •iodine;
EC number	231-442-4
EC index number	053-001-00-3
Customs tariff number / CN code / TARIC	28012000
Molecular weight [g / mol]	253,80
Formula	I ₂
 UN 3495, (6.1), III	
Harmful in contact with skin. Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation. Causes damage to organs through prolonged or repeated exposure. Very toxic to aquatic life. Harmful if inhaled. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid release to the environment. Get medical advice/attention if you feel unwell. Wash with plenty of soap and water.	

Parameter	Specification	Unit
Organoleptic test		
Appearance	blackish-violet, brittle plates or fine crystals with a metallic sheen	
Physical parameter		
Solubility	in water: very slightly soluble; in concentrations of iodides: very soluble; in ethanol 96%: soluble; in glycerol: slightly soluble; (in kerosene: soluble; in chloroform: soluble)*	
Identity		
Assay	99,5 – 100,5	%
Identification	A: Heat a few fragments in test-tube. Violent vapour is evolved and a bluish-black crystalline sublimate is formed	
Identification	B: To a solution add starch solution R. A blue colour is produced. Heat until decolourised. On cooling, the colour reappears	
Impurities		
Nonvolatile residue	≤ 0,1	%
Sulphates (SO ₄)	≤ 0,01	%
Impurity	Bromides and Chlorides: ≤ 250	ppm
Elemental Impurities		
Bromine (Br)	≤ 0,06	%
Chlorides (Cl)	≤ 0,06	%

Annotation:

(*): Not routinely tested.

Supplemental information:

Shelf life: Retest after 12 month

Regional origin: Central Asia

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 02. Oct. 2023

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