



" clyzo " - Monograph Comparison



AS PER CURRENT USP 2022/EP11/JP18

Product Name	Iodine resublimed pearls (USP, BP, Ph. Eur.) pure, pharma grade	 ITW Reagents	Issue Date	March-23
Product Code	141771		Prepared by	Sr. Tech Lead
CAS NO.	7553-56-2		Reviewed by	Manager Technical
Manufacturer Name	PanReac AppliChem		Version no.	CLYZO/PAN/141771/01

Sr. No.	Test	Manufacturer COA	Pharmacopeial Specifications		
		<i>Complies USP, BP, Ph. Eur.</i>	<i>USP 2022</i>	<i>EP Version 11.0</i>	<i>JP 18</i>
1	Description	Bluish-black lustrous pearls	Iodine: Heavy, grayish-black plates or granules, having a metallic luster and a characteristic odor.	Greyish-violet, brittle plates or fine crystals with a metallic sheen. It volatilises slowly at room temperature.	Grayish black, plates or granular, heavy crystals, having a metallic luster and a characteristic odor. It resublimates at room temperature
2	Solubility	Very slightly soluble in water	Freely soluble in carbon disulfide, in chloroform, in carbon tetrachloride, and in ether; soluble in alcohol and in solutions of iodides; sparingly soluble in glycerin; very slightly soluble in water.	Very slightly soluble in water, very soluble in concentrated solutions of iodides, soluble in ethanol (96 %), slightly soluble in glycerol	It is freely soluble in diethyl ether, soluble in ethanol (95), sparingly soluble in chloroform, and very slightly soluble in water. It dissolves in potassium iodide TS
3	Identification 1	Passes The Test	Should comply by a violet color formation	A bluish-black crystalline sublimate should be formed.	Should show a red-brown color
4	Identification 2	Passes The Test	After mixture is boiled color should disappear, and it reappears on cooling.	After mixture is boiled color should disappear, and it reappears on cooling.	Should show a red-purple to purple color.
5	Identification 3	Not mentioned	Not mentioned	Not mentioned	After mixture is boiled color should disappear, and it reappears on cooling.
6	Non-volatile matter	NMT 0.05 %	NMT 0.05 %	NMT 0.1 %	NMT 0.05%
7	Chloride and bromide (as Cl)	NMT 0.025 %	NMT 0.028%	NMT 250 ppm	Sample solution should be not more turbid than the control solution.
8	Assay (Iodom.)	Between 99.8 % and 100.5 %	Between 99.8 % and 100.5 %	Between 99.5 % and 100.5 %	NLT 99.5 %
9	Elemental Impurities		Not mentioned	Not mentioned	Not mentioned
	Cd	NMT 0.5 ppm			
	Pb	NMT 5 ppm			
	As	NMT 1.5 ppm			
	Hg	NMT 1.5 ppm			
	CO	NMT 5 ppm			
	V	NMT 10 ppm			
	Ni	NMT 20 ppm			
	Tl	NMT 0.8 ppm			
	Au	NMT 10 ppm			
	Pd	NMT 10 ppm			
	Ir	NMT 10 ppm			
	Os	NMT 10 ppm			
	Rh	NMT 10 ppm			
	Ru	NMT 10 ppm			
	Se	NMT 15 ppm			
	Ag	NMT 15 ppm			
	Pt	NMT 10 ppm			
	Li	NMT 55 ppm			
	Sb	NMT 120 ppm			
	Ba	NMT 140 ppm			
	Mo	NMT 25 ppm			
	Cu	NMT 250 ppm			
	Sn	NMT 600 ppm			
	Cr	NMT 25 ppm			
10	Residual solvents	Passes The Test	Not mentioned	Not mentioned	Not mentioned
	Storage	Storage away from direct light	Preserve in tight containers.	Not mentioned	Containers—Tight containers.

Note - If you need any additional testing, you may use our Additional Testing Feature on the product page or contact your Clyzo representative.