



" clyzo " - Monograph Comparison



AS PER CURRENT USP 2022/EP11/JP18

Product Name	Phenol crystalline (USP, BP, Ph. Eur.) pure, pharma grade		Issue Date	March-23
Product Code	144852		Prepared by	Sr. Tech Lead
CAS NO.	108-95-2		Reviewed by	Manager Technical
Manufacturer Name	PanReac AppliChem		Version no.	CLYZO/PAN/144852/01

Sr. No.	Test	Pharmacopeial Specifications			
		Manufacturer COA <i>Complies USP, BP, Ph. Eur</i>	USP 2022	EP Version 11.0	JP 18
1	Description	White crystals or crystalline mass, hygroscopic	Colorless to light pink, interlaced or separate, needle-shaped crystals, or white to light pink, crystalline mass. Has a characteristic odor. Boils at about 182°C	Colourless or faintly pink or faintly yellowish, crystals or crystalline masses.	Colorless to slightly red, crystals or crystalline masses. It has a characteristic odor. It cauterizes the skin, turning it white. Congealing point: about 409C
2	Solubility	Soluble in water	Very soluble in alcohol, in glycerin, in chloroform, in ether, and in fixed and volatile oils; soluble in water; sparingly soluble in mineral oil.	Soluble in water, very soluble in ethanol (96 %), in glycerol and in methylene chloride	It is very soluble in ethanol (95%) and in diethyl ether, and soluble in water.
3	Identification 1	Passes The Test	Should comply by white precipitate formation	Should comply by blue color development which becomes intense	Should comply by blue-purple color development
4	Identification 2	Passes The Test	Should comply by violet color development	Should comply by disappearing of violet color	Should comply by white precipitate formation
5	Identification 3	Passes The Test	Not mentioned	Should comply by white precipitate formation	Not mentioned
6	Clarity of solution and reaction/appearance of solution	Passes The Test	Solution is clear, and it is neutral or acid to litmus paper	Sample solution should be clear and not more intensely coloured than reference solution B6	Sample solution should be clear and not more intensely coloured than reference solution B6
7	Congealing temperature	NLT 39.5 ^o C	NLT 39°C	NLT 39°C	Not mentioned
8	Water	NMT 0.5%	NMT 0.5%	Not mentioned	Not mentioned
9	Residue on evaporation	NMT 0.05%	NMT 0.05%	NMT 0.05%	NMT 0.05%
10	Matter insoluble in water	Passes The Test	Not mentioned	Not mentioned	Not mentioned
11	Related substances	O-Cresol: NMT 0.1% m-Cresol: NMT 0.1% p-Cresol: NMT 0.1%	Not mentioned	Not mentioned	Not mentioned
12	Chloride	NMT 0.005%	Not mentioned	Not mentioned	Not mentioned
13	Acidity	Passes The Test	Not mentioned	Sample solution should be yellow	Not mentioned
14	Acidity or Alkalinity	Not mentioned	Not mentioned	Not mentioned	NO red color
15	Assay (anhydrous basis)	Between 99.0% and 100.5%	Between 99.0% and 100.5%	Between 99.0% and 100.5%	NMT 98.0%
16	Elemental Impurities		Not mentioned	Not mentioned	Not mentioned
	Cd	NMT 0.5 ppm			
	Pb	NMT 0.5 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			
17	Residual solvents	Passes The Test	Not mentioned	Not mentioned	Not mentioned
	Storage	Storage away from direct light.	Preserve in tight, light-resistant containers.	In an airtight container, protected from light	Containers—Tight containers Storage—Light-resistant
Note - If you need any additional testing, you may use our Additional Testing Feature on the product page or contact your Clyzo representative.					
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