



# " clyzo " - Monograph Comparison



## AS PER CURRENT USP 2022/EP11/JP18

<b>Product Name</b>	Phenol 90% aqueous solution (USP) pure, pharma grade		<b>Issue Date</b>	March-23
<b>Product Code</b>	141323		<b>Prepared by</b>	Sr. Tech Lead
<b>CAS NO.</b>	108-95-2		<b>Reviewed by</b>	Manager Technical
<b>Manufacturer Name</b>	PanReac AppliChem		<b>Version no.</b>	CLYZO/PAN/141323/01

Sr. No.	Test	Manufacturer COA		Pharmacopeial Specifications	
		Complies USP	USP 2022	EP Version 11.0	JP 18
1	Description	Clear, colorless crystals. Specific gravity is about 1.07, boiling point about 182°C	Colorless to pink liquid, which may develop a red tint upon exposure to air or light. Has a characteristic, somewhat aromatic odor. It whitens and cauterizes the skin and mucous membranes. Specific gravity is about 1.065.	Product Not Official in European Pharmacopoeia	Colorless or slightly reddish liquid. It has a characteristic odor. The color changes gradually to dark red on exposure to light or air. It cauterizes the skin, turning it white. Specific gravity at 20°C about 1.065
2	Solubility	Soluble in water	Miscible with alcohol, with ether, and with glycerin. A mixture of equal volumes of Liquefied Phenol and glycerin is miscible with water		Miscible with ethanol (95), with diethyl ether and with glycerin. A mixture of equal volumes of Liquefied Phenol and glycerin is miscible with water
3	Identification 1	Passes the test	Should comply by white precipitate formation		Should comply by blue-purple color development
4	Identification 2	Passes the test	Should comply by violet color development		Should comply by white precipitate formation
5	Clarity of solution and reaction/appearance of solution	Passes the test	Solution is clear, and it is neutral or acid to litmus paper		No red color develops after addition of methyl orange
6	Boiling point/distilling range	NMT 182.5°C	NMT 182.5°C		NMT 182°C
7	Water	Between 9.0% and 11.0%	NMT 10.0%		Not mentioned
8	m-cresol	NMT 0.1%	Not mentioned		Not mentioned
9	o-cresol	NMT 0.1%	Not mentioned		Not mentioned
10	p-cresol	NMT 0.1%	Not mentioned		Not mentioned
11	Residue on evaporation	NMT 0.05%	NMT 0.05%		NMT 0.05%
12	Chloride	NMT 0.005%	Not mentioned		Not mentioned
13	Matter insoluble in water	NMT 0.01%	Not mentioned		Not mentioned
14	Acidity	Passes the test	Not mentioned		Not mentioned
15	Assay	NLT 89.0%	NLT 89.0%		NLT 88.0%
16	Elemental Impurities		Not mentioned		Not mentioned
	Cd	NMT 0.5 ppm			
	Pb	NMT 0.5 ppm			
	Assay	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 solvent	Passes the test	Not mentioned
	Storage	Store in lock and key. Store in a well-ventilated place. Keep container tightly closed	Preserve in tight, light-resistant containers.
<b>Note</b> - 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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