



" clyzo " - Monograph Comparison



AS PER CURRENT USP 2022/EP11/JP18

Product Name	Resorcinol (USP, BP, Ph. Eur.) pure, pharma grade	 <small>ITW Reagents</small>	Issue Date	March-23
Product Code	141603		Prepared by	Sr. Tech Lead
CAS NO.	108-46-3		Reviewed by	Manager Technical
Manufacturer Name	PanReac AppliChem		Version no.	CLYZO/PAN/141603/01

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 flakes, turns quickly from pink to blue-grey on exposure to air and light	White, or practically white, needle-shaped crystals or powder. Has a faint, characteristic odor and a sweetish, followed by a bitter, taste. Acquires a pink tint on exposure to light and air.	A colourless or slightly pinkish-grey, crystalline powder or crystals, turning red on exposure to light and air.	Product not official in Japanese pharmacopoeia
2	Solubility	Freely soluble in water	Freely soluble in water, in alcohol, in glycerin, and in ether; slightly soluble in chloroform.	very soluble in water and in ethanol (96 %).	
3	Identification 1	passes the test	The infrared absorption spectrum obtained with sample should be concordant with spectrum obtained with Resorcinol reference/working standard	Melting point should be between 109 °C and 112 °C.	
4	Identification 2	Passes the test	The color should change to pale yellow.	An intense, deep-red colour should be develop which becomes pale yellow on the addition of a slight excess of HCl.	
5	Identification 3	Passes the test	A blue-violet color should be produced, and it fades slowly.	The solution should show an intense green fluorescence.	
6	Melting range	Between 109°C and 111°C	Between 109°C and 111°C	Not mentioned	
7	Appearance of solution	Passes The Test	Not mentioned	Sample solution should be clear and not more intensely coloured than reference solution B5 or R5.	
8	Acidity or alkalinity	Passes The Test	Not mentioned	NMT 0.05 mL of 0.1 M HCl or 0.1 M NaOH is required to change the colour of the indicator.	
9	Insoluble matter in H2O	NMT 0.01 %	Not mentioned	Not mentioned	
10	Loss on drying	NMT 1.0%	NMT 1.0%	NMT 1.0%	
11	Residue on ignition	NMT 0.05 %	NMT 0.05 %	NMT 0.1 %	
12	Related substances/Ordinary impurities	NMT 0.5%	NMT 1.0%	NMT 0.5 %	
13	Phenol	Passes The Test	The odor of phenol should not be perceptible.	Not mentioned	
14	Pyrocatechol	Passes The Test	No turbidity should be produced.	Any yellow colour in the solution should not be more intense than that in a standard	
15	Assay	Between 99.0 % and 100.5 %	Between 99.0 % and 100.5 %	Between 98.5 % and 101.0 %	
16	Elemental Impurities		Not mentioned	Not mentioned	
	Pt	NMT 10 ppm			
	Pd	NMT 10 ppm			
	Ir	NMT 10 ppm			
	Rh	NMT 10 ppm			
	Ru	NMT 10 ppm			
	Os	NMT 10 ppm			

	Mo	NMT 25 ppm			
	Ni	NMT 25 ppm			
	Cr	NMT 25 ppm			
	V	NMT 25 ppm			
	Cu	NMT 250 ppm			
	Mn	NMT 250 ppm			
	Fe	NMT 1300 ppm			
	Zn	NMT 1300 ppm			
17	Residual solvents	Passes The Test	Not mentioned	Not mentioned	
	Storage	Storage away from direct light	Preserve in well-closed, light-resistant containers.	Store protected from light.	

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

Disclaimer - The information above is solely for your consideration. We do not recommend or affirm the suitability for any specific end use. We suggest the users should research & verify the specifications in accordance with their intended usage.