



# " clyzo " - Monograph Comparison



## AS PER CURRENT USP 2022/EP11/JP18

<b>Product Name</b>	Sodium Formaldehyde Sulfoxylate x-hydrate (USP-NF) pure. pharma grade	 ITW Reagents	<b>Issue Date</b>	March-23
<b>Product Code</b>	143289		<b>Prepared by</b>	Sr. Tech Lead
<b>CAS NO.</b>	149-44-0		<b>Reviewed by</b>	Manager Technical
<b>Manufacturer Name</b>	PanReac AppliChem		<b>Version no.</b>	CLYZO/PAN/143289/01

Sr. No.	Test	Manufacturer COA		Pharmacopeial Specifications	
		Complies USP-NF	USP 2022	EP Version 11.0	JP 18
1	Description	White powder having crystals, Irregular pieces.	White crystals or hard, white masses, having the characteristic odor of garlic		
2	Solubility	Soluble in water	Freely soluble in water; slightly soluble in alcohol, in ether, in chloroform, and in benzene		
3	Identification	Passes test	Metallic silver should be produced on the inner surface of the tube		
4	Identification		A permanent. deep red color should appear		
5	pH sol. 2%	Between 9.5 and 10.5	Between 9.5 and 10.5		
6	Alkalinity	0.35 meq/g	NMT 3.5 ml 0.1N H2SO4 is required		
7	Clarity and Color of Solution	Passes test	The Sample solution and the water are equally clear and exhibit no apparent difference in color		
8	Insoluble matter in H2O	NMT 0.05%	Not mentioned		
9	Sulfide	Passes test	No discoloration should be evident		
10	Iron	NMT 0.0025%	0.0025%		
11	Sodium Sulfite	NMT 5%	NMT 5.0%		
12	Loss on Drying	NMT 27%	NMT 27.0%		
13	Assay (dried basis)	Between 45.5% and 54.5%	Between 45.5% and 54.5%		
14	Residual solvents	Passes test	Not mentioned		
15	Elemental impurities			Product Not Official in European Pharmacopoeia	Product Not Official in Japanese pharmacopoeia
	Cd	NMT 0.5 ppm			
	Pb	NMT 5 ppm			
	As	NMT 1 ppm			
	Hg	NMT 1.5 ppm			
	Co	NMT 5 ppm			
	V	NMT 10 ppm			
	Ni	NMT 20 ppm			
	Tl	NMT 5 ppm			
	Au	NMT 10 ppm			
	Pd	NMT 10 ppm			
	Ir	NMT 10 ppm			
	Os	NMT 10 ppm	Not mentioned		
	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		
Storage	Store at room temperatur, do not store near acids	Preserve in well-closed, light-resistant containers, and store at controlled room temperature	

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.