



# " clyzo " - Monograph Comparison



## AS PER CURRENT USP 2022/EP11/JP18

<b>Product Name</b>	Sodium Formaldehyde Sulfoxylate Dihydrate USP		<b>Issue Date</b>	March-23
<b>Product Code</b>	103070		<b>Prepared by</b>	Sr. Tech Lead
<b>CAS NO.</b>	6035-47-8		<b>Reviewed by</b>	Manager Technical
<b>Manufacturer Name</b>	RIA International		<b>Version no.</b>	CLYZO/RIA/103070/01

Sr. No.	Test	Manufacturer COA	Pharmacopeial Specifications		
		Complies USP	USP 2022	EP Version 11.0	JP 18
1	Description	White Crystalline powder	White crystals or hard, white masses, having the characteristic odor of garlic	Not official in EP	Not official in JP
2	Solubility		Freely soluble in water; slightly soluble in alcohol, in ether, in chloroform, and in benzene.		
3	Identification 1	Complies	To the Sample solution add 1 mL of silver–ammonia–nitrate. Metallic silver is produced, either as a finely divided, gray precipitate or as a bright metallic mirror on the inner surface of the tube.		
4	Identification 2	Complies	Dissolve 40 mg of salicylic acid in 5 mL of sulfuric acid, and add 50 mg of Sodium Formaldehyde Sulfoxylate. A permanent, deep red		
5	Identification 3				
6	Clarity and Color of Solution	Complies	The Sample solution and the water are equally clear and, when viewed transversely by transmitted light, exhibit no apparent difference in color.		
7	Sulfide	Complies	No discoloration is evident within 5 min.		
8	Iron	<25ppm	0.0025%; the color of the Sample is not deeper than that of the Standard solution.		
9	Sodium Sulfite	<5.0%	NMT 5.0% on the dried basis		
10	Sodium HydroxymethaneSulfonate	<6.0%			
11	Lead	<10ppm			
12	Zinc	<10ppm			
13	pH	9.5 - 10.5	9.5–10.5		
14	Alkalinity	<3.5	NMT 3.5 mL is required for neutralization.		
15	Alkalinity as Na2CO3	1.0% - 2.5%	1.0% - 2.5%		
16	SodiumhydroxymethaneSulfinate Dihydrate	>98.0%			
17	Bacterial Endotoxins	2.71EU/ml			
18	Microbiological Analysis				
I	Total Plate Count	<1000 cfu/gm			
II	Yeast and Mould	<100 cfu/gm			
III	Coliforms	<100 cfu/gm			
IV	E.Coli	Absent			
V	Salmonella	Absent			
VI	Pseudomonas	Absent			
VII	S.aureus	Absent			
19	Loss on Drying	<27%	NMT 27.0%		
20	Assay	45.5% - 54.5%	45.5%–54.5% of SO2 on the dried basis		
	Storage		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.