



# " clyzo " - Monograph Comparisor



## AS PER CURRENT USP 2022/EP11/JP18

<b>Product Name</b>	Sodium Disulfite (USP-NF, BP, Ph. Eur.) pure, pharma grade		<b>Issue Date</b>	March-23
<b>Product Code</b>	141698		<b>Prepared by</b>	Sr. Tech Lead
<b>CAS NO.</b>	7681-57-4		<b>Reviewed by</b>	Manager Technical
<b>Manufacturer Name</b>	PanReac AppliChem		<b>Version no.</b>	CLYZO/PAN/141698/01

Sr. No.	Test	Pharmacopeial Specifications			
		Manufacturer COA <i>Complies USP-NF, BP, Ph. Eur.</i>	USP 2022	EP Version 11.0	JP 18
1	Description	White crystals or crystalline powder.	White crystals or white to yellowish, crystalline powder, having the odor of sulfur dioxide.	white or almost white, crystalline powder or colourless crystals.	white, crystals or crystalline powder. It has the odor of sulfur dioxide. It is hygroscopic and decomposes slowly on exposure to air. 5% solution is acid
2	Solubility	Freely soluble in water	Freely soluble in water and in glycerin; slightly soluble in alcohol.	Freely soluble in water, slightly soluble in ethanol (96 %).	It is freely soluble in water, very slightly soluble in ethanol (95), and practically insoluble in diethyl ether.
3	Identification 1 (Sodium)	Passes The Test	Should comply by a dense precipitate formation	Should comply by a dense white precipitate formation	(1) Should impart yellow color flame during flame test 2. Should produce a white, crystalline precipitate with potassium hexahydroxoantimonate (V) TS.
4	Identification 2 (Sulfite)/ (Sulfate)	Passes The Test	Should comply by sulfur dioxide formation, which blackens filter paper moistened with mercurous nitrate	Should comply by a white precipitate formation	1. Color of reagent should fade 2. Should comply by formation of a white turbidity, which changes gradually to a pale yellow precipitate
5	Identification 3	Passes The Test	Not mentioned	Should comply with pH test	Not mentioned
6	pH	Between 3.5 and 5.0	Not mentioned	Between 3.5 and 5.0	Not mentioned
7	Appearance of solution	Passes The Test	Not mentioned	Sample solution should be clear and colourless	Sample solution should be clear and colorless.
8	Chloride	NMT 0.02 %	NMT 0.05 %	Not mentioned	Not mentioned
9	Insoluble matter in H2O	NMT 0.025 %	Not mentioned	Not mentioned	Not mentioned
10	Thiosulfate (S2O3)	NMT 0.05%	Any turbidity produced with sample solution should not be more than standard	The solution should remain clear for at least 15 min	No turbidity should be produced.
11	Iron	NMT 0.002 %	NMT 20 ppm	NMT 20 ppm	NMT 20 ppm
12	Heavy Metals	Not mentioned	Not mentioned	Not mentioned	NMT 20 ppm
13	Arsenic	Not mentioned	Not mentioned	Not mentioned	NMT 4 ppm
14	Assay	Between 65.0 % and 67.4 % Between 95.0% and 100.5%	Between 65.0 % and 67.4 %	Between 95.0% and 100.5%	NLT 95.0%
15	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			
16	Residual solvents (Ph.Eur)	Passes The Test	Not mentioned	Not mentioned	Not mentioned
	Storage	Storage away from direct light.	Preserve in well-filled, tight containers, and avoid exposure to excessive heat.	Protected from light.	Containers—Tight containers
<p><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.</p>					
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