

" clyzo " - Monograph Comparison





AS PER CURRENT USP 2022/EP11/JP18								
	Product Name	Zinc Sulfate 1-hydrate (USP, Ph. Eur., BP) pure, pharma grade	PanReac AppliChem	Issue Date	March-23			
	Product Code	141788	AppliChem	Prepared by	Sr. Tech Lead			
	CAS NO.	7446-19-7	ITW Reagents	Reviewed by	Manager Technical			
	Manufacturer Name	PanReac AppliChem	1	Version no.	CLYZO/PAN/141788/01			
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C . N	-	Manufacturer COA		Pharmacopeial Specifications				
Sr. No.	Test	Complies USP, Ph. Eur., BP	USP 2022	EP Version 11.0	JP 18			
1	Description	Small white crystals		White or almost white, crystalline powder or colourless, transparent crystals, efflorescent.				
2	Solubility	Soluble in water	Very soluble in water and in glycerin; practically insoluble in alcohol.	Very soluble in water, practically insoluble in ethanol (96 %.				
3	Identification 1	passes test	In assay test, the retention time of the zinc	Should comply by a flocullant white precipitate formation				
4	Identification 2	passes test	HNO3. 2. After addition of lead (II) acetate TS a white precipitate should be formed. 3. With equal volume of HCI no precipitate should be formed (discrimination from thiosulfates)	With addition of dilute HCl and BaCl2 a white precipitate should be formed. 2. In the suspension obtained in identification (1) add lodine, suspension remains yellow (distinction from sulfites and dithionites), but should be decolorised by adding dropwise stannous chloride solution (distinction from iodates). Boil the mixture. No coloured precipitate should be formed (distinction from selenates and tungstates).				
5	Identification 3	passes test	Not mentioned	It should comply with the limits of the assay.				
6	Appearance of solution	passes test	Not mentioned	Sample solution should be clear and colourless				
7	Acidity	passes test	The sample solution should not colored pink by methyl orange TS.	Not mentioned				
8	pH	Between 4.0 and 5.6	NA	Between 4.0 and 5.6]			
9	Alkalies and alkali earth	NMT 0.9%	NMT 0.9 %	Not mentioned]			
10	Arsenic	NMT 0.0001 %	NMT 14 ppm	Not mentioned]			
11	Iron	NMT 0.01%	NA	NMT 100 ppm]			
12	Heavy metals (Lead)	NMT 0.00005 %	NMT 20 ppm	Not mentioned]			
13	Chlorides	NMT 0.03%	NA	NMT 300 ppm	Product Not Official in Japanese			
14	Loss on drying	Not mentioned	Not mentioned	Not mentioned	Pharmacopoeia			
15	Assay (as zinc sulfate monohydrate)	Between 99.0% and 100.5%	Between 99.0% and 100.5%	Between 99.0% and 101.0 %	1			
	Elemental Impurities Cd Pb As Hg CO	NMT 0.5 ppm NMT 0.5 ppm NMT 1 ppm NMT 1.5 ppm NMT 5 ppm	Not mentioned	Not mentioned				
	V	NMT 10 ppm	1					
	Ni	NMT 20 ppm	1					
	TI	NMT 0.8 ppm]					

			1	i
	Au	NMT 10 ppm		
	Pd	NMT 10 ppm		
	lr	NMT 10 ppm		
16	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		
	Ва	NMT 140 ppm		
	Мо	NMT 25 ppm		
	Cu	NMT 250 ppm		
	Sn	NMT 600 ppm		
	Cr	NMT 25 ppm		
17	Residual solvents	passes test	Not mentioned	Not mentioned
	Storage	Keep container tightly closed in a dry and well-	Preserve in tight containers.	In a non-metallic, airtight container.
		ventilated place.		

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

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.