



" clyzo " - Monograph Comparison



AS PER CURRENT USP 2022/EP11/JP18

Product Name	Aluminium Chloride 6-hydrate (USP, BP, Ph. Eur.) pure, pharma grade		Issue Date	March-23
Product Code	141097		Prepared by	Sr. Tech Lead
CAS NO.	7784-13-6		Reviewed by	Manager Technical
Manufacturer Name	PanReac AppliChem		Version no.	CLYZO/PAN/631404/01

Sr. No.	Test	Pharmacopeial Specifications			
		Manufacturer COA <i>Complies USP, BP, Ph. Eur</i>	USP 2022	EP Version 11.0	JP 18
1	Description	crystalline powder, White to light yellowish	White, or yellowish-white, deliquescent, crystalline powder. Is practically odorless, and has a sweet, very astringent taste. Its solutions are acid to litmus.	White or slightly yellow, crystalline powder or colourless crystals, deliquescent.	Product Not Official in Japanese pharmacopoeia
2	Solubility	Very soluble in water	Very soluble in water; freely soluble in alcohol; soluble in glycerin.	Very soluble in water, freely soluble in ethanol (96 per cent), soluble in glycerol.	
3	Identification 1 (Aluminum)	Passes The Test	1.With ammonium hydroxide, solutions yield a gelatinous, white precipitate that is insoluble in an excess of 6 N ammonium hydroxide 2.With dil sodium hydroxide or	A gelatinous white precipitate should be formed after addition of sodium hydroxide solution	
4	Identification 2 (Chloride)	Passes The Test	With silver nitrate TS, solutions yield a white, curdy precipitate that is insoluble in nitric acid but is soluble in a slight excess of 6 N ammonium hydroxide.	After addition of silver nitrate a curdled, white precipitate should be formed	
5	Appearance of solution	Passes The Test	Not mentioned	Sample solution should be clear and not more intensely colored than reference solution B7	
6	Insoluble matter in H2O	NMT 0.02 %	Not mentioned	Not mentioned	
7	Sulfates (SO ₄)	NMT 0.01%	No turbidity should be produced within 1 min.	NMT 100 ppm	
8	Ammonium (NH ₄)	NMT 0.05%	Not mentioned	Not mentioned	
9	Alkalies and alkaline earths	NMT 0.5 %	NMT 0.5%	NMT 0.5%	
10	Iron	NMT 10 ppm	NMT 10 ppm	NMT 10 ppm	
11	Water determination	Between 42.0% and 48.0 %	Between 42.0% and 48.0 %	Between 42.0% and 48.0 %	
12	Assay (Anhydrous basis)	Between 95.0% and 101.0 %	Between 95.0 % and 102.0 %	Between 95.0% and 101.0 %	
13	Elemental Impurities:		Not mentioned	Not mentioned	
14	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			
	TI	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			
15	Residual solvents (Ph.Eur/USP)	Passes The Test	Not mentioned	Not mentioned	
	Storage	Keep container tightly closed in a dry and well-ventilate	Preserve in well-closed containers.	Airtight containers	
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.					