



" clyzo " - Monograph Comparison



AS PER CURRENT USP 2022/EP11/JP18

Product Name	EDTA (USP-NF, BP, Ph. Eur) pure, pharma grade		Issue Date	March-23
Product Code	141026		Prepared by	Sr. Tech Lead
CAS NO.	60-00-4		Reviewed by	Manager Technical
Manufacturer Name	PanReac AppliChem		Version no.	CLYZO/PAN/141026/01

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 crystalline powder	White, crystalline powder. Melts above 220°, with decomposition.	white or almost white, crystalline powder or colourless crystals.	Product Not Official in Japanese pharmacopoeia
2	Solubility	Very slightly soluble in water	Soluble in solutions of alkali hydroxides; very slightly soluble in water.	practically insoluble in water and in ethanol (96 %). It dissolves in dilute solutions of alkali hydroxides.	
3	Identification 1	Passes The Test	The infrared absorption spectrum obtained with sample should be concordant with spectrum obtained with EDTA reference/working standard	The infrared absorption spectrum obtained with sample should be concordant with spectrum obtained with EDTA reference/working standard	
4	Identification 2	Passes The Test	Not mentioned	The solution should become yellowish.	
5	Identification 3	Passes The Test	Not mentioned	No precipitate should be formed	
6	Appearance of solution	Passes The Test	Not mentioned	Sample solution should be clear and colourless	
7	Chloride (Cl)	NMT 0.02 %	Not mentioned	NMT 200 ppm	
8	Nitritotriacetic Acid [(CH ₂ COOH) ₃ N]	NMT 0.1 %	NMT 0.3 %	NMT 0.1 %	
9	Heavy metals (as Pb)	NMT 0.002 %	Not mentioned	Not mentioned	
10	Iron	NMT 0.005%	NMT 0.005%	NMT 80 ppm	
11	Sulfated ash	Not mentioned	Not mentioned	NMT 0.2%	
12	Residue on ignition (as SO ₄)	NMT 0.2 %	NMT 0.2 %	NMT 0.2 %	
13	Assay (Compl.)	Between 98.0 % and 100.5 %	Between 98.0 % and 100.5 %	Between 98.0 % and 101.0 %	
14	Elemental Impurities		Not mentioned	Not mentioned	
	Cd	NMT 0.5 ppm			
	Pb	NMT 1 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			
15	Residual solvents	Passes The Test	Not mentioned	Not mentioned	
	Storage	Storage away from direct light	Preserve in well-closed containers.	Protected from light.	
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.					