



" clyzo " - Monograph Comparison



AS PER CURRENT USP 2022/EP11/JP18

Product Name	di-Sodium Hydrogen Phosphate anhydrous (USP, BP, Ph. Eur.) pure, pharma grade		Issue Date	March-23
Product Code	141679		Prepared by	Sr. Tech Lead
CAS NO.	7558-79-4		Reviewed by	Manager Technical
Manufacturer Name	PanReac AppliChem		Version no.	CLYZO/PAN/141679/01

Sr. No.	Test	Manufacturer COA		Pharmacopeial Specifications	
		Complies USP, BP, Ph. Eur.	USP 2022	EP Version 11.0	JP 18
1	Description	White Powder	White powder that readily absorbs moisture		
2	Solubility	Soluble in water	Freely soluble in water; insoluble in alcohol		
3	Identification 1	Passes The Test	Should comply by dense precipitate formation		
4	Identification 2	Passes The Test	1. After addition of AgNO3 TS, should produce a yellow precipitate that is soluble in 2 N HNO3 and in 6 N NH4OH 2. After addition of ammonium molybdate TS, should produce a yellow precipitate that is soluble in 6 N NH4OH		
5	pH	Between 8.7 and 9.4	Not mentioned		
6	Appearance of solution	Passes The Test	Not mentioned		
7	Insoluble substances	NMT 0.025 %	NMT 0.4%		
8	Reducing Substances to KMnO4	Passes The Test	Not mentioned		
9	Chlorides	NMT 0.005%	NMT 0.06 %		
10	Sulfate	NMT 0.03 %	NMT 0.2 %		
11	Nitrogen compounds (as N)	NMT 0.003%	Not mentioned		
12	Arsenic	NMT 0.0001 %	NMT 16 ppm		
13	Iron	NMT 0.002 %	Not mentioned		
14	Loss on drying 105 °C	NMT 1.0 %	Not mentioned		
15	Loss on drying 130 °C (USP)	NMT 5.0%	NMT 5.0%		
16	Assay (dried basis)	Between 98.0% and 100.5 %	Between 98.0% and 100.5 %		
17	Elemental Impurities		Not mentioned	Product Not Official in European Pharmacopoeia	Product Not Official in Japanese pharmacopoeia
	Cd	NMT 0.5 ppm			
	Pb	NMT 0.5 ppm			
	As	NMT 1 ppm			
	Hg	NMT 1.5 ppm			
	CO	NMT 5 ppm			
	V	NMT 10 ppm			
	Ni	NMT 20 ppm			
	TI	NMT 5 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		
18	Residual solvents (Ph.Eur/USP)	passes test	Not mentioned	
	Storage	Keep container tightly closed in a dry and well-ventilated place.	Preserve in tight 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.