



" clyzo " - Monograph Comparison



AS PER CURRENT USP 2022/EP11/JP18

Product Name	Sodium di-Hydrogen Phosphate 1-hydrate (USP, BP) pure, pharma grade		Issue Date	March-23
Product Code	141965		Prepared by	Sr. Tech Lead
CAS NO.	10049-21-5		Reviewed by	Manager Technical
Manufacturer Name	PanReac AppliChem		Version no.	CLYZO/PAN/141965/01

Sr. No.	Test	Manufacturer COA		Pharmacopeial Specifications	
		Complies USP, BP	USP 2022	EP Version 11.0	JP 18
1	Description	White crystalline Powder	Colorless crystals or white, crystalline powder. Is odorless and is slightly deliquescent. Its solutions are acid to litmus and effervesce with sodium carbonate.		
2	Solubility	Soluble in water	Freely soluble in water; practically insoluble in alcohol		
3	Identification 1 Sodium	Passes the test	1. After addition of AgNO3 solution R1, a yellow precipitate should be formed whose colour should not be changed by boiling and dissolves on addition of ammonia R.2. After addition of ammonium molybdate, a yellow precipitate should be developed which is soluble in 6N ammonium hydroxide		
4	Identification 2 Phosphate	Passes the test	After addition of potassium pyroantimonate solution R a dense white precipitate should be formed		
5	Appearance of solution	Passes the test	Not mentioned		
6	Reducing substances	Passes the test	Not mentioned		
7	Iron	NMT 0.001%	Not mentioned		
8	Insoluble substances	NMT 0.005%	NMT 0.2%		
9	Chloride	NMT 0.014%	NMT 0.014%		
10	Sulfates	NMT 0.03%	NMT 0.15%		
11	pH	Between 4.2 and 4.5	Between 4.1 and 4.5		
12	Aluminium, Calcium & Related elements	Passes the test	The Sample solution should not become turbid when rendered slightly alkaline to litmus paper with 6 N ammonium hydroxide.		
13	Arsenic	NMT 0.00015%	NMT 8 ppm		
14	Loss on drying	Between 11.5% and 14.5%	Not mentioned		
15	Water	Between 10.0 and 15.0 %	Between 10.0% and 15.0%		
16	Assay (anhydrous basis)	Between 98.0% and 100.5%	Between 98.0% and 103.0%		
	Elemental Impurities				
	Cd	NMT 0.5 ppm			
	Pb	NMT 0.5 ppm			
	Assay	NMT 1.5 ppm			
	Hg	NMT 1.5 ppm			
	CO	NMT 5 ppm			
	V	NMT 10 ppm			
	Ni	NMT 20 ppm			

Product Not Official in European Pharmacopoeia

Product Not Official Japanese Pharmacopoeia

17	Tl	NMT 0.8 ppm	Not mentioned		
	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 solvent	Passes the test	Not mentioned		
	Storage	Keep container tightly closed in a dry and well-ventilated place.	Preserve in well-closed 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.