



# " clyzo " - Monograph Comparison



## AS PER CURRENT USP 2022/EP11/JP18

<b>Product Name</b>	Sodium di-Hydrogen Phosphate anhydrous (USP) low endotoxin, pharma grade		<b>Issue Date</b>	March-23
<b>Product Code</b>	Z92018		<b>Prepared by</b>	Sr. Tech Lead
<b>CAS NO.</b>	7558-80-7		<b>Reviewed by</b>	Manager Technical
<b>Manufacturer Name</b>	PanReac AppliChem		<b>Version no.</b>	CLYZO/PAN/Z92018142475/01

Sr. No.	Test	Pharmacopeial Specifications			
		Manufacturer COA <i>Complies USP</i>	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.	Product Not Official in European Pharmacopoeia	Product Not Official in Japanese Pharmacopoeia
2	Solubility	Miscible with ethanol	Freely soluble in water; practically insoluble in alcohol.		
3	Identification 1 Phosphate	Passes the test	1. After addition of AgNO <sub>3</sub> , a yellow precipitate that is soluble in 2 N HNO <sub>3</sub> and in 6 N NH <sub>4</sub> OH is produced 2.After addition of With ammonium molybdate TS, a yellow precipitate that is soluble in 6 N NH <sub>4</sub> OH is produced.		
4	Identification 2 Sodium	Passes the test	Should comply by dense precipitate formation		
5	Insoluble substances	NMT 0.2%	NMT 0.2%		
6	Chloride	NMT 0.014%	NMT 0.014%		
7	Sulfates	NMT 0.15%	NMT 0.15%		
8	pH	Between 4.1 and 4.5	Between 4.1 and 4.5		
9	Aluminium, Calcium and Related elements	Passes the test	The Sample solution should not become turbid when rendered slightly alkaline to litmus paper with 6 N NH <sub>4</sub> OH		
10	Arsenic	NMT 0.00015%	NMT 8 ppm		
11	Water	NMT 2.0%	NMT 2.0%		
12	Assay	Between 98.0% and 103.0% (anhydrous basis)	Between 98.0% and 103.0% (anhydrous basis)		
13	Bacterial Endotoxins	NMT 30 IU/g	Not mentioned		
14	Elemental Impurities		Not mentioned		
	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			
	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		
15	Residual solvent	Passes the test	Not mentioned	
	Storage	Store at room temperature	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.