



" clyzo " - Monograph Comparison



AS PER CURRENT USP 2022/EP11/JP18

Product Name	tri-Calcium Phosphate (BP, Ph. Eur.) pure, pharma grade	 ITW Reagents	Issue Date	March-23
Product Code	141228		Prepared by	Sr. Tech Lead
CAS NO.	7758-87-4		Reviewed by	Manager Technical
Manufacturer Name	PanReac AppliChem		Version no.	CLYZO/PAN/141228/01

Sr. No.	Test	Manufacturer COA		Pharmacopeial Specifications	
		Complies BP, Ph. Eur.	USP 2022	EP Version 11.0	JP 18
1	Description	White amorphous powder	White, odorless, tasteless powder. It is stable in air.	White or almost white powder.	Product Not Official in Japanese pharmacopoeia
2	Solubility	Insoluble in water	Freely soluble in 3 N HCl and in 2 N HNO ₃ ; practically insoluble in water; insoluble in alcohol.	Practically insoluble in water. It dissolves in dilute HCl acid and in dilute HNO ₃ .	
3	Identification 1	Passes The Test	Should comply by a yellow precipitate formation	Should comply by yellow colour formation	
4	Identification 2	Passes The Test	Should comply by a white precipitate formation	Should comply by a crystalline white precipitate formation	
5	Identification 3	Passes The Test	Not mentioned	Should comply with limits of assay test	
6	Water-Soluble Substances	Not mentioned	NMT 0.5%	Not mentioned	
7	Acid-Insoluble Substances	NMT 0.2 %	NMT 0.2%	NMT 0.2 %	
8	Dibasic Salt and Calcium Oxide	Not mentioned	Between 13.0 and 14.3 ml of 1 N HCl should be consumed/g.	Not mentioned	
9	Carbonate	Not mentioned	No effervescence should be produced.	Not mentioned	
10	Nitrate	Not mentioned	The blue color should persists for NLT 5 minutes	Not mentioned	
11	Fluoride	NMT 0.005%	NMT 75 ppm	NMT 75 ppm.	
12	Chloride	NMT 0.15 %	NMT 0.14%	NMT 0.15 %	
13	Sulfate	NMT 0.5 %	NMT 0.8%	NMT 0.5 %	
14	Arsenic	NMT 0.0003 %	NMT 3 ppm	NMT 2 ppm	
15	Lead	NMT 0.003 %	Not mentioned	NMT 1 ppm	
16	Iron	NMT 0.04 %	Not mentioned	NMT 400 ppm.	
17	Copper	NMT 0.005 %	Not mentioned	Not mentioned	
18	Magnesium	NMT 0.6 %	Not mentioned	Not mentioned	
19	Nickel	NMT 0.005 %	Not mentioned	Not mentioned	
20	Barium	Not mentioned	No turbidity should appears within 15 minutes	Not mentioned	
21	Loss on Ignition	NMT 8.0%	NMT 8.0%	NMT 8.0%	
22	Assay	Between 35.0 % and 40.0 %	Between 34.0% and 40.0%	Between 35.0% and 40.0%	
23	Elemental Impurities				
	Cd	NMT 1 ppm	Not mentioned	Not mentioned	
	Pb	NMT 1 ppm	Not mentioned	Not mentioned	
24	Residual solvents	passes test	Not mentioned	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.