

## " clyzo " - Monograph Comparison 🔗



clyzo

AS PER CURRENT USP 2022/EP11/JP18									
	Product Name	Calcium Chloride 2-hydrate powder (USP, BP, Ph. Eur.) pharma grade	PanReac 🍫	Issue Date	March-23				
	Product Code	191232	AppliChem	Prepared by	Sr. Tech Lead				
	CAS NO.	10035-04-8	ITW Reagents	Reviewed by	Manager Technical				
	Manufacturer Name	PanReac AppliChem		Version no.	CLYZO/PAN/191232/01				
				·					
Sr. No.	Test	Manufacturer COA	Pharmacopeial Specifications						
		Complies (USP, BP, Ph. Eur.)	USP 2022	EP Version 11.0	JP 18				
L	Description	White crystalline powder.	White, hard, odorless fragments or	White or almost white, crystalline powder,	White, granules or masses. It is odorless. It is				
_			granules. Is deliquescent.	hygroscopic.	deliquescent.				
2	Solubility	Freely soluble in water	Very soluble in boiling water; freely	Freely soluble in water, soluble in ethanol (96	It is very soluble in water, and soluble in				
			soluble in water, in alcohol, and in boiling alcohol.	%).	ethanol (95), and practically insoluble in diethyl ether.				
3	Identification 1 (Calcium)	Passes The Test	Afetr ddition of ammonium oxalate TS, a white precipitate should be formed.	1.The chloroform layer should be coloured red.	1.Should impart a yellow-red color flame during flame test 2.Should produce a white precipitate after addition of ammonium carbonate TS. 3.Should yield a white precipitate with ammonium oxalate TS 4.Should not produce precipitate, when mixed and heated with 10 drops of potassium chromate TS				
1	Identification 2 (Chloride)	Passes The Test	With silver nitrate TS,a curdy precipitate which is insoluble in HNO3 but is soluble in a slight excess of 6 N NH4OH should be produced	1.A curdled, white precipitate should be formed which dissolves in aqueous ammonia solution	1.The gas evolved should turn moistened potassium iodide starch paper blue. 2. Should produce a white precipitate with silver nitrate TS				
5	Identification 3	Passes The Test	Not mentioned	should comply with assay test limits					
6	nH	Between 4 5 and 9 2	Between 4 5 and 9 2	Not mentioned	Between 4.5 and 9.2				
7	Appearance of solution	Passes The Test	Not mentioned	Sample solution should be clear and not more intensely coloured than reference solution Y6	Sample solution should be clear and colorless				
8	Acidity or alkalinity	Passes The Test	Not mentioned	NMT 0.2 ml 0.01 M NaoH is required to produce pink color					
9	Sulfate	NMT 0.03 %	Not mentioned	NMT 300 ppm	NMT 0.024 %				
10	Hypochlorite	Not mentioned	Not mentioned	Not mentioned	No blue color should be developed immediately.				
11	Magnesium and alkali salts	NMT 0.5 %	NMT 1.0%	NMT 0.5 %					
12	Heavy Metals	Not mentioned	No	Not mentioned	NMT 10 ppm				
13	Iron, Aluminium and Phosphate	Passes The Test	No turbidity or precipitate is produced.	Not mentioned	No turbidity or precipitate should be produced.				
14	Barium	Not mentioned	Not mentioned	Not mentioned	No turbidity should be produced.				
15	Aluminium	NMT 0.0001%	NMT 1 ppm	NMT 1 ppm					
16	Arsenic	Not mentioned	Not mentioned	Not mentioned	NMT 2 ppm				
17	Iron	NMT 0.001 %	Not mentioned	NMT 10 ppm					
18	Assay	Between 99.0 % and 103.0 %	Between 99.0% and 107.0%	Between 97.0 % and 103.0 %	Between 96.7 % and 103.3 %				
10	Elemental Impurities		Not mentioned	Not mentioned	Not mentioned				
13	Cd	NMT 0.5 ppm							

	Pb	NMT 0.5 ppm						
	As	NMT 1.5 ppm						
	Hg	NMT 1.5 ppm						
	СО	NMT 5 ppm						
	V	NMT 10 ppm						
	Ni	NMT 20 ppm						
	Au	NMT 10 ppm						
	Pd	NMT 10 ppm						
	lr	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						
	Ва	NMT 140 ppm						
	Mo	NMT 25 ppm						
	Cu	NMT 250 ppm						
	Sn	NMT 600 ppm						
	Cr	NMT 25 ppm						
20	Residual solvents (Ph.Eur/USP)	Passes The Test	Not mentioned	Not mentioned	Not mentioned			
	Storage	Storage away from direct light	Preserve in tight containers.	In an airtight container	Containers—Tight containers.			
Note - If you need any additional testing, you may use our Additional Testing Feature on the product page or contact your Clyzo reprensentive.								

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.