



# " clyzo " - Monograph Comparison



## AS PER CURRENT USP 2022/EP11/JP18

<b>Product Name</b>	Potassium Acetate (BP, Ph. Eur.) pure, pharma grade		<b>Issue Date</b>	March-23
<b>Product Code</b>	141479		<b>Prepared by</b>	Sr. Tech Lead
<b>CAS NO.</b>	127-08-2		<b>Reviewed by</b>	Manager Technical
<b>Manufacturer Name</b>	PanReac AppliChem		<b>Version no.</b>	CLYZO/PAN/141479/01

Sr. No.	Test	Manufacturer COA	Pharmacopeial Specifications		
		Complies BP, Ph. Eur	USP 2022	EP Version 11.0	JP 18
1	Description	White small crystals	Colorless, monoclinic crystals or white, crystalline powder having a saline and slightly alkaline taste. Is odorless, or has a faint acetous odor. Deliquesces on exposure to moist air.	White or almost white, crystalline powder or colourless crystals, deliquescent.	Product Not Official in Japanese Pharmacopoeia
2	Solubility	Very soluble in water	Very soluble in water; freely soluble in alcohol.	Very soluble in water, freely soluble in ethanol (96 per cent)	
3	Identification 1 Acetate	Passes The Test	1. Should comply by a dark color develops or a blue precipitate formation 2. After addition of ferric chloride TS, should comply by formation a red color which is destroyed by the addition of mineral acids.	Should comply by liberation of acid vapours with the characteristic odour of acetic acid	
4	Identification 2 Potassium	Passes The Test	After addition of sodium bitartrate TS solution, should produce a white crystalline precipitate that is soluble in 6 N NH4OH and in solutions of alkali hydroxides	Should comply by formation of white precipitate	
5	Appearance of solution	Passes The Test	Not mentioned	Sample solution should be clear and colorless	
6	Reducing Substance	Passes The Test	Not mentioned	Sample solution should remain pink	
7	Chlorides	NMT 0.01%	Not mentioned	NMT 200 ppm	
8	Sulfates	NMT 0.01%	Not mentioned	NMT 200 ppm	
9	Iron	NMT 0.002%	Not mentioned	NMT 20 ppm	
10	Sodium	NMT 0.5%	NMT 0.03%	NMT 0.5%	
11	pH	Between 7.5 and 9.0	Between 7.5 and 8.5	Between 7.5 and 9.0	
12	Matter insoluble in Water	NMT 0.025%	Not mentioned	Not mentioned	
13	Aluminium	NMT 0.0001%	Not mentioned	Not mentioned	
14	Calcium	NMT 0.05%	Not mentioned	Not mentioned	
15	Magnesium	NMT 0.05%	Not mentioned	Not mentioned	
16	Phosphate	NMT 0.005%	Not mentioned	Not mentioned	
17	Loss on Drying	NMT 3.0%	NMT 1.0%	NMT 3.0%	
18	Assay (dried basis)	Between 99.0% and 101.0%	Between 99.0% and 100.5%	Between 99.0% and 101.0%	
	Elemental Impurities		Not mentioned	Not mentioned	
	Cd	NMT 0.5 ppm			
	Pb	NMT 0.5 ppm			
	As	NMT 1.5 ppm			
	Hg	NMT 1.5 ppm			
	CO	NMT 5 ppm			
	V	NMT 10 ppm			
	Ni	NMT 20 ppm			
	Tl	NMT 0.8 ppm			
	Au	NMT 10 ppm			
	Pd	NMT 10 ppm			
	Ir	NMT 10 ppm			

19	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		
20	Residual solvents	Passes The Test	Not mentioned	Not mentioned
	Storage	Storage at room temperature	Preserve in tight containers	Preserve in air 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.