



" clyzo " - Monograph Comparison



AS PER CURRENT USP 2022/EP11/JP18

Product Name	Ammonium Hydrogen Carbonate (BP, Ph. Eur.) pure, pharma grade	 <small>ITW Reagents</small>	Issue Date	March-23
Product Code	141116		Prepared by	Sr. Tech Lead
CAS NO.	1066-33-7		Reviewed by	Manager Technical
Manufacturer Name	PanReac AppliChem		Version no.	CLYZO/PAN/141116/01

Sr. No.	Test	Manufacturer COA	Pharmacopeial Specifications		
		<i>Complies BP, Ph. Eur.</i>	<i>USP 2022</i>	<i>EP Version 11.0</i>	<i>JP 18</i>
1	Description	White crystalline powder	Product Not Official in Unites States pharmacopoeia	fine, white or almost white, crystalline powder or white or almost white crystals, slightly hygroscopic	Product Not Official in Japanese pharmacopoeia
2	Solubility	Soluble in water		freely soluble in water, practically insoluble in ethanol (96 per cent)	
3	Identification 1	passes test		Should comply by formation of a white precipitate which dissolves on addition of an excess of HCl	
4	Identification 2	passes test		Should comply by a yellow precipitate formation	
5	insoluble matter in water	NMT 0.01 %		Not mentioned	
6	Chlorides	NMT 0.005%		NMT 70 ppm	
7	Sulfates	NMT 0.007%		NMT 70 ppm	
8	Iron	NMT 0.001 %		NMT 40 ppm	
9	Sulfide	Passes test		Not mentioned	
10	Calcium	NMT 0.01 %		Not mentioned	
11	Heavy metals	NMT 0.001%		Not mentioned	
12	Phosphate	NMT 0.005 %		Not mentioned	
13	Assay	Between 98.0% to 101.0 %		Between 98.0 % to 101.0 %	
14	Elemental impurities		Product Not Official in Unites States pharmacopoeia	Not mentioned	Product Not Official in Japanese pharmacopoeia
	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			
	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 test	NA	
	Storage	Keep containers tightly closed in a dry, cool & well-ventilated place. Keep out of the reach of children.	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.

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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.