



" clyzo " - Monograph Comparison



AS PER CURRENT USP 2022/EP11/JP18

Product Name	Ammonia 25% (as NH3) (BP, Ph. Eur.) pure, pharma grade		Issue Date	March-23
Product Code	141129		Prepared by	Sr. Tech Lead
CAS NO.	1336-21-6		Reviewed by	Manager Technical
Manufacturer Name	PanReac AppliChem		Version no.	CLYZO/PAN/141129/01

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	Clear colorless liquid, density at 20°C about 0.91		Clear, colourless liquid, very caustic.	
2	Solubility	Miscible with water		Miscible with water and with ethanol (96 %).	
3	Identification 1	Relative density should be between 0.901 and 0.907		Relative density should be between 0.892 and 0.910	
4	Identification 2	Passes test		Sample should be strongly alkaline	
5	Identification 3	Passes test		Should comply by yellow precipitate formation	
6	Appearance of solution	Passes test		Should comply by yellow precipitate formation	
7	Appearance of solution	passes test		The solution is clear and not more intensely coloured than reference solution	
8	Limit of Non volatile residue	NMT 0.002%		NMT 0.002%	
9	Pyridine and related substances	NMT 2 ppm		NMT 2 ppm (as pyridine)	
10	Carbonates	NMT 50 ppm		NMT 50 ppm	
11	Chloride	NMT 1 ppm		NMT 1 ppm	
12	Sulfate	NMT 5 ppm		NMT 5 ppm	
13	Iron	NMT 0.25 ppm		NMT 0.25 ppm	
14	Phosphate	NMT 5 ppm		NMT 5 ppm	
15	Calcium	NMT 10 ppm		NMT 10 ppm	
16	Magnesium	NMT 10 ppm		NMT 10 ppm	
17	Oxidizable substance	The solution should remains faintly pink.		The solution should remain faintly pink	
18	Assay	Between 25.0% and 27.0%		Between 25.0% and 27.0%	
19	Elemental impurities		Product Not Official in United Status Pharmacopoeia	Not mentioned	Product Not Official in Japanese Pharmacopoeia
	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			
	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		
20	Residual solvent	Passes the test		Not mentioned
	Storage	Keep in tightly closed containers		Protected from air, at a temperature not exceeding 20 °C.

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.