



# " clyzo " - Monograph Compariso



## AS PER CURRENT USP 2022/EP11/JP18

<b>Product Name</b>	Ammonia 30% (as NH3) (USP-NF, BP, Ph. Eur.) <b>pure, pharma grade</b>		<b>Issue Date</b>	March-23
<b>Product Code</b>	141130		<b>Prepared by</b>	Sr. Tech Lead
<b>CAS NO.</b>	1336-21-6		<b>Reviewed by</b>	Manager Technical
<b>Manufacturer Name</b>	PanReac AppliChem		<b>Version no.</b>	CLYZO/PAN/141130/01

Sr. No.	Test	Manufacturer COA	Pharmacopeial Specifications		
		Complies USP, BP, Ph. Eur.	USP 2022	EP Version 11.0	JP 18
1	Description	Clear, colorless liquid, Specific gravity is about 0.89	Clear, colorless liquid, having an exceedingly pungent, characteristic odor. Specific gravity is about 0.90	Clear, colourless liquid, very caustic.	Product Not Official in Japanese Pharmacopoeia
2	Solubility	Miscible with water	Not mentioned	Miscible with water and with ethanol (96 %).	
3	Identification 1	Passes The Test	Dense, white fumes should be produced.	Relative density should be between 0.892 and 0.910	
4	Identification 2	Passes The Test	Not mentioned	Sample should be strongly alkaline	
5	Identification 3	Passes The Test	Not mentioned	Should comply by yellow precipitate formation	
6	Density	Between 0.892 and 0.901	Not mentioned	Not mentioned	
7	Appearance of solution	Passes The Test	Not mentioned	Sample should be clear and colourless	
8	Limit of Non volatile residue	NMT 0.002%	NMT 0.05%	NMT 0.002%	
9	Pyridine and related substances	NMT 0.0002%	Not mentioned	NMT 2 ppm (as Pyridine)	
10	Carbonates	NMT 0.005%	Not mentioned	NMT 60 ppm	
11	Chloride	NMT 0.0001%	Not mentioned	NMT 1 ppm	
12	Sulfate	NMT 0.0005%	Not mentioned	NMT 5 ppm	
13	Iron	NMT 0.000025%	Not mentioned	NMT 0.25 ppm	
14	Calcium	NMT 0.001%	Not mentioned	Not mentioned	
15	Magnesium	NMT 0.001%	Not mentioned	Not mentioned	
16	Water insoluble matter	Passes The Test	Not mentioned	Not mentioned	
17	Phosphate	NMT 0.0005%	Not mentioned	Not mentioned	
18	Residue on ignition	NMT 0.1%	Not mentioned	Not mentioned	
19	Readily oxidizable substance	Passes The Test	The pink color should not completely disappear within 10 min.	The solution should remains faintly pink.	
20	Assay	Between 27.0% and 30.0%	Between 27.0% and 31.0%	Between 25.0% and 30.0%	
21	Elemental Impurities		Not mentioned	Not mentioned	
	Cd	NMT 0.5 ppm			
	Pb	NMT 0.5 ppm			
	As	NMT 0.4 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				
22	Residual solvents	Passes The Test	Not mentioned	Not mentioned	
	Storage	Storage below 20°C	Preserve in tight containers, at a temperature not above 25°.	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.