



" clyzo " - Monograph Comparison



AS PER CURRENT USP 2022/EP11/JP18

Product Name	Silver Nitrate (BP, Ph. Eur.) pure, pharma grade		Issue Date	March-23
Product Code	141459		Prepared by	Sr. Tech Lead
CAS NO.	7761-88-8		Reviewed by	Manager Technical
Manufacturer Name	PanReac AppliChem		Version no.	CLYZO/PAN/141459/01

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 or white crystals. The pH of its solutions is about 5.5. On exposure to light in the presence of organic matter, it becomes gray or grayish black.	White or almost white, crystalline powder or transparent, colourless crystals.	Lustrous, colorless or white crystals. It gradually turns grayish black by light.
2	Solubility	Very soluble in water	Very soluble in water and even more so in boiling water; freely soluble in boiling alcohol; sparingly soluble in alcohol; slightly soluble in ether.	Very soluble in water, soluble in ethanol (96 %).	It is very soluble in water, soluble in ethanol (95), and practically insoluble in diethyl ether.
3	Identification 1	Passes The Test	1. Should produce white precipitate with Hydrochloric acid 2. A mirror of metallic silver should form	The upper layer should be deep violet colored	1. Should comply by a dark brown ring is produced at the junction of the two liquids. 2. Should produce blue color with diphenylamine 3. Color of reagent should not fade
4	Identification 2	Passes The Test	A deep blue color should appear at the zone of contact.	1. Should produce white precipitate with Hydrochloric acid	1. Should produce white precipitate with Hydrochloric acid 2. With potassium should produce red colored precipitate 3. Should produce brownish grey precipitate with ammonia
5	Appearance of solution	Passes The Test	Not mentioned	Sample solution should be clear and colourless.	Not mentioned
6	Clarity of solution	Passes The Test	Sample solution should be clear and	Not mentioned	Sample solution should be clear and colorless
7	Acidity or alkalinity	Passes The Test	Not mentioned	Should comply the test	Not mentioned
8	Foreign salts	NMT 0.02%	Not mentioned	NMT 0.3 %	Not mentioned
9	Aluminium, lead, copper and bismuth	Passes The Test	Not mentioned	Sample solution should be clear and colourless	The solution should be clear and colorless
10	Insoluble matter in H2O	NMT 0,005 %	Not mentioned	Not mentioned	Not mentioned
11	Chloride	NMT 0,001%	Not mentioned	Not mentioned	Not mentioned
12	Sulfate	NMT 0,002%	Not mentioned	Not mentioned	Not mentioned
13	Loss on drying	Not mentioned	Not mentioned	Not mentioned	NMT 0.20 %
14	Copper	NMT 0.0005 %	No blue color should be produced.	Not mentioned	Not mentioned
15	Iron	NMT 0.0005 %	Not mentioned	Not mentioned	Not mentioned
16	Lead	NMT 0.001 %	Not mentioned	Not mentioned	Not mentioned
17	Assay	Between 99.8% and 100.5%	Between 99.8% and 100.5%	Between 99.0 % and 100.5 %	NLT 99.8%
18	Residual solvents (Ph.Eur)	Passes The Test	Not mentioned	Not mentioned	Not mentioned
	Storage	Storage away from direct light.	Preserve in tight, light-resistant containers.	In a non-metallic container, protected from light.	Containers—Tight containers.Light-resistant

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.