



" clyzo " - Monograph Comparison



AS PER CURRENT USP 2022/EP11/JP18

Product Name	Potassium Permanganate (USP, BP, Ph. Eur.) pure, pharma grade	 <small>ITW Reagents</small>	Issue Date	March-23
Product Code	141527		Prepared by	Sr. Tech Lead
CAS NO.	141527		Reviewed by	Manager Technical
Manufacturer Name	PanReac AppliChem		Version no.	CLYZO/PAN/141527/01

Sr. No.	Test	Pharmacopeial Specifications			
		Manufacturer COA <i>Complies USP, BP, Ph. Eur</i>	USP 2022	EP Version 11.0	JP 18
1	Description	Dark brown to violet crystals	Dark purple crystals, almost opaque by transmitted light and of a blue metallic luster by reflected light. Its color is sometimes modified by a dark bronze-like appearance. Is stable in air.	Dark purple or brownish-black, granular powder or dark purple or almost black crystals, usually having a metallic lustre. It decomposes on contact with certain organic substances.	Dark purple crystals and has a metallic luster.
2	Solubility	Soluble in water	Freely soluble in boiling water; soluble in water.	soluble in cold water, freely soluble in boiling water.	Soluble in water.
3	Identification 1	Passes The Test	A solution of it is deep violet-red when concentrated and pink when highly diluted.	A dark brown precipitate should be formed.	1. Shuld exhibit a red-purple color.2. (2) The solution should effervesce and decolorize permanganates.3. Acidic solutions should decolorized when excess of oxalic acid TS is added and heated.
4	Identification 2	Passes The Test	Not mentioned	A yellow or orange-yellow precipitate should be formed immediately.	Not mentioned
5	Appearance of solution	Passes The Test	Not mentioned	Solution Sample is colourless	Not mentioned
6	Insoluble matter in H2O	NMT 0.2 %	NMT 0.2%	NMT 1.0 %	NMT 0.2%
7	Chloride	NMT 0.02%	Not mentioned	NMT 200 ppm	Not mentioned
8	Nitrogen compounds	NMT 0.03%	Not mentioned	Not mentioned	Not mentioned
9	Sulfate	NMT 0.05%	Not mentioned	NMT 500 ppm	Not mentioned
10	Heavy metals	NMT 0.003%	Not mentioned	Not mentioned	Not mentioned
11	Arsenic	NMT 0.0003 %	Not mentioned	Not mentioned	NMT 5 ppm
12	Iron	NMT 0.005 %	Not mentioned	Not mentioned	Not mentioned
13	Lead	NMT 0.005 %	Not mentioned	Not mentioned	Not mentioned
14	Loss on drying	NMT 0.5 %	NMT 0.5 %	Not mentioned	NMT 0.5 %
15	Assay	Between 99.0 % and 100.5 %	Between 99.0 % and 100.5 %	Between 99.0 % and 100.5 %	NLT 99.0 %
16	Residual metals	No metal catalysts are used in the manufacturing process.	Not mentioned	Not mentioned	Not mentioned
17	Residual solvents	Passes The Test	Not mentioned	Not mentioned	Not mentioned
	Storage	Storage at room temperature	Preserve in well-closed containers.	In an airtight container, protected from light.	Containers—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.