



" clyzo " - Monograph Comparison



AS PER CURRENT USP 2022/EP11/JP18

Product Name	Hydrogen Peroxide 33% w/v (110 vol.) stabilized (USP, BP, Ph. Eur.) pure, pharma grade		Issue Date	March-23
Product Code	141077		Prepared by	Sr. Tech Lead
CAS NO.	7722-84-1		Reviewed by	Manager Technical
Manufacturer Name	PanReac AppliChem		Version no.	CLYZO/PAN/141077/01

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,	Clear, colorless liquid. Is acid to litmus. Slowly decomposes, and is affected by light.	CColourless, clear liquid	Product Not Official in Japanese Pharmacopoeia
2	Identification 1	Miscible with water	After addition of potassium dichromate , sample produces an evanescent blue color in the water layer, which upon agitation and standing passes into the ether layer.	The solution should become colourless or slightly pink within 2 minutes	
3	Identification 2	Passes The Test	Not mentioned	A brown solution should appear and black particles may be formed	
4	Identification 3	Passes The Test	Not mentioned	It complies with the assay test	
5	Acidity	Passes The Test	NMT 2.5 ml of 0.1 NaOH is required	Between 0.05 ml and 0.5 mL of 0.1 M NaOH is required to change the colour of the indicator.	
6	Organic Stabilisers	Passes The Test	Not mentioned	NMT 500 ppm	
7	Non volatile residue	NMT 0.05%	Not mentioned	NMT 0.2%	
8	Nitrogen compiunds	NMT 0.005%	Not mentioned	Not mentioned	
9	Chloride	NMT 0.005%	NMT 50 ppm	Not mentioned	
10	Sulfate	NMT 0.001%	Not mentioned	Not mentioned	
11	Limit of preservative	NMT 0.05%	NMT 0.05%	Not mentioned	
12	Assay (O2 in volume)	About 110 volume	Not mentioned	Not mentioned	
13	Assay	Between 29.0% and 31.0%	Between 29.0% and 32.0%	Between 29.0% and 31.0%	
14	Elemental Impurities		Not mentioned	Not mentioned	
	Cd	NMT 0.5 ppm			
	Pb	NMT 0.5 ppm			
	As	NMT 0.5 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 solvents	Passes The Test	Not mentioned	Not mentioned	

	Storage	Storage away from direct light.	Preserve in tight containers, and prevent exposure to excessive heat. Protect from light.	Protected from light, and if the solution does not contain a stabiliser, at a temperature below 15 °C.
<p>Note - If you need any additional testing, you may use our Additional Testing Feature on the product page or contact your Clyzo representative.</p>				
<p>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.</p>				