



# " clyzo " - Monograph Comparison



## AS PER CURRENT USP 2022/EP11/JP18

<b>Product Name</b>	Acetic Acid 36% (USP-NF) pharma grade		<b>Issue Date</b>	March-23
<b>Product Code</b>	196358		<b>Prepared by</b>	Sr. Tech Lead
<b>CAS NO.</b>	64-19-7		<b>Reviewed by</b>	Manager Technical
<b>Manufacturer Name</b>	PanReac AppliChem		<b>Version no.</b>	CLYZO/PAN/196358/01

Sr. No.	Test	Manufacturer COA		Pharmacopeial Specifications	
		Complies USP-NF	USP 2022	EP Version 11.0	JP 18
1	Description	Clear, colorless liquid. Specific gravity is about 1.046	Clear, colorless liquid, having a strong, characteristic odor, and a sharply acid taste. Specific gravity is about 1.045	Product Not Official in European Pharmacopoeia	Clear, colorless liquid. It has a pungent, characteristic odor and an acid taste. Specific gravity at 20°C about 1.04
2	Solubility	Miscible with water	Miscible with water, with alcohol, and with glycerin		It is miscible with water, with ethanol (95) and with glycerin
3	Identification 1	Passes The Test	1. Should comply by a dark color development or a blue precipitate formation 2. After addition of ferric chloride TS a red color should be produced which is destroyed by the addition of mineral acids.		Should comply by producing a gas which has odor of acetone, and the gas turns the filter paper to redbrown.
4	Readily Oxidizable Substances/reducing substances	Passes The Test	The pink color should not changed to brown at once, and the liquid should not become entirely brown or free from a pink tint in less than 30 seconds		The colour should remains pink
5	Heavy Metals	Not mentioned	Not mentioned		NMT 3 ppm
6	Chloride	Passes The Test	No opalescence should be produced		No opalescence should be produced
7	Sulfate	Passes The Test	No Turbidity should be produced.		No Turbidity should be produced.
8	Nonvolatile Residue	NMT 0.005%	NMT 0.005%		NMT 0.01%
9	Assay	Between 36.0% and 37.0%	Between 36.0% and 37.0%		Between 30.0% and 32.0%
10	Elemental Impurities		Not mentioned	Not mentioned	
	Cd	NMT 0.5 ppm			
	Pb	NMT 0.5 ppm			
	As	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				
11	Residual solvents	Passes The Test	Not mentioned	Not mentioned	
	Storage	Storage at room temperature	Preserve in tight 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.