



# " clyzo " - Monograph Comparison



## AS PER CURRENT USP 2022/EP11/JP18

<b>Product Name</b>	Acetic Acid , glacial 99/100% according to purity requirements of USP, Ph. Eur.		<b>Issue Date</b>	July-23
<b>Product Code</b>	240105		<b>Prepared by</b>	Sr. Tech Lead
<b>CAS NO.</b>	64-19-7		<b>Reviewed by</b>	Manager Technical
<b>Manufacturer Name</b>	CG Chemikalein GmbH & Co KG		<b>Version no.</b>	CLYZO/CG/240105/01

Sr. No.	Test	Manufacturer COA	Pharmacopeial Specifications		
		Complies USP, BP, Ph. Eur	USP 2022	EP Version 11.0	JP 18
1	Description	Clear, colourless liquid	Clear, colorless liquid, having a pungent, characteristic odor and, when well diluted with water, an acid taste. Boils at about 118°C. Specific gravity about 1.05	Crystalline mass or clear, colourless, volatile liquid.	Clear, colorless, volatile liquid, or colorless or white, crystalline masses. It has a pungent, characteristic odor. Boiling point: about 118°C. Specific gravity @ 20°C about 1.049
2	Solubility	Not mentioned	Miscible with water, with alcohol, and with glycerin.	Miscible with water, with ethanol (96 %) and with methylene chloride.	Miscible with water, with ethanol (95) and with diethyl ether.
3	Identification 1	Should comply 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.	The solution should be strongly acidic	Should comply by turning blue litmus paper to red,
4	Identification 2	Not mentioned	Not mentioned	Should comply by precipitate formation or a dark blue colour development	1. After warming with diluted H2SO4 (50%) should evolve the odor of acetic acid. (2) When warmed with H2SO4 and a small quantity of ethanol (95), the odor of ethyl acetate should evolved.(3) After addition of ferric chloride TS, should produce a red-brown precipitate.
5	Appearance	Not mentioned	Not mentioned	Sample should be clear and colourless	Not mentioned
6	Readily Oxidizable Substances/reducing substances	Should comply the test	The pink color should not changed to brown within 2 hours.	The colour should remains pink	The red color should not disappear within 30 minutes.
7	Congealing Temperature/Freezing point	NLT 14.8 °C	NLT 15.6°C	NLT 14.8 °C	NLT 14.5 °C
8	Heavy Metals	NMT 5 ppm	Not mentioned	Not mentioned	NMT 10 ppm
9	Chloride	Should comply the test	No Opalescence should be produced.	NMT 25 ppm	No Opalescence should be produced.
10	Sulfate	Should comply the test	No Turbidity should be produced.	NMT 50 ppm	No Turbidity should be produced.
11	Iron	NMT 5 ppm	Not mentioned	NMT 5 ppm	Not mentioned
12	Nonvolatile Residue	Should comply the test	NMT 0.005%	NMT 0.01%	NMT 0.01%
13	Bacterial Endotoxins	NMT 10 IU/g	Not mentioned	Not mentioned	Not mentioned
14	Assay	Between 99.50 % and 100.5%	Between 99.50 % and 100.5%	Between 99.0 % and 100.5%	NLT 99.9% of
	Storage	Not mentioned	Preserve in tight containers, and store at room temperature.	Airtight 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.