



# " clyzo " - Monograph Comparison



## AS PER CURRENT USP 2022/EP11/JP18

<b>Product Name</b>	Sodium Sulfite anhydrous EP		<b>Issue Date</b>	July-23
<b>Product Code</b>	140047		<b>Prepared by</b>	Sr. Tech Lead
<b>CAS NO.</b>	7757-83-7		<b>Reviewed by</b>	Manager Technical
<b>Manufacturer Name</b>	CG Chemikalein GmbH & Co KG		<b>Version no.</b>	CLYZO/CG/140047/01

Sr. No.	Test	Manufacturer COA	Pharmacopeial Specifications		
		<i>Complies (BP, Ph. Eur.)</i>	<i>USP 2022</i>	<i>EP Version 11.0</i>	<i>JP 18</i>
1	Description	White or almost white powder.	Colorless crystals.	White or almost white powder.	White, crystals or powder. It is odorless. pH of 10% solution is about 10.0. It gradually changes in moist air
2	Solubility	Not mentioned	Freely soluble in water; very slightly soluble in alcohol.	Freely soluble in water, very slightly soluble in ethanol (96 per cent).	It is freely soluble in water, and practically insoluble in ethanol (95) and in diethyl ether.
3	Identification 1	Not mentioned	A pink color should be produced.	Sample solution should be slightly alkaline having pH between 8.0 and 10.0	Not mentioned
4	Identification 2 (Sulfite)	Not mentioned	Should yield sulfur dioxide which blackens filter paper moistened with mercurous nitrate	Should comply a white precipitate formation	1. Should comply by color of reagent fade 2. Should comply by a white turbidity formation which gradually form a pale yellow precipitate
5	Identification 3 (Sodium)	Not mentioned	A dense precipitate should be formed.	Should comply a densewhite precipitate formation	1. Should impart yellow color during flame test. 2. Should comply by a white crystalline precipitate
6	Identification 4	Not mentioned	Not mentioned	It should comply with the limits of the assay.	Not mentioned
7	Appearance of solution	Sample solution should be clear and colorless.	Sample solution should be clear and colorless.	Sample solution should be clear and colourless	Not mentioned
8	Thiosulfate	NMT 0.1%	NMT 0.1%	NMT 0.1%	No turbidity should be produced.
9	Heavy metals	NMT 10 ppm	Not mentioned	Not mentioned	NMT 20 ppm
10	Iron	NMT 10 ppm	NMT 10 ppm	NMT 10 ppm	Not mentioned
11	Selenium	NMT 10 ppm	NMT 10 ppm	Not mentioned	Not mentioned
12	Zinc	NMT 25 ppm	NMT 25 ppm	NMT 25 ppm	Not mentioned
13	Arsenic	Not mentioned	Not mentioned	Not mentioned	NMT 4 ppm
14	Assay	Between 95.0 % and 100.5 %	Between 95.0 % and 100.5 %	Between 95.0 % and 100.5 %	NLT 97 %
	Storage	Not mentioned	Preserve in tight containers. Store at room temperature.	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.