



" clyzo " - Monograph Comparison



AS PER CURRENT USP 2022/EP11/JP18

Product Name	Boric Acid powder, Ph. Eur., USP		Issue Date	July-23
Product Code	140034		Prepared by	Sr. Tech Lead
CAS NO.	10043-35-3		Reviewed by	Manager Technical
Manufacturer Name	CG Chemikalein GmbH & Co KG		Version no.	CLYZO/CG/140034/01

Sr. No.	Test	Manufacturer COA		Pharmacopeial Specifications	
		Complies BP	USP 2022	EP Version 11.0	JP 18
1	Description	White or almost white crystalline powder	Colorless, odorless scales of a somewhat pearly luster, or crystals, or white powder that is slightly unctuous to the touch. Is stable in air.	White or almost white, crystalline powder, colourless, shiny plates greasy to the touch, or white or almost white crystals.	Colorless or white, crystals or crystalline powder. It is odorless, and has a slight characteristic taste. pH of 5% solution is between 3.5 and 4.1
2	Solubility	Not mentioned	Freely soluble in glycerin, in boiling water, and in boiling alcohol; soluble in water and in alcohol.	Soluble in water and in ethanol (96 %), freely soluble in boiling water and in glycerol (85 %).	Freely soluble in warm water, in hot ethanol (95%) and in glycerin, soluble in water and in ethanol (95), and practically insoluble in diethyl ether.
3	Identification 1	Should comply the test	An intense blue color should be produced.	The flame has green border	1. Should burn with green flame 2. Should exhibit a red color, which changes to blue with dropwise addition of ammonia TS
4	Identification 2	Should comply the test	Not mentioned	Solution S should be acidic	Not mentioned
5	Appearance of solution/clarity and colour of solution	Sample solution should be clear and colourless	Not mentioned	Sample solution should be clear and colourless	Sample solution should be clear and colourless
6	Organic Matter	Should comply the test	Not mentioned	It should not darken on progressive heating to dull redness.	Not mentioned
7	Solubility in alcohol	Should comply the test	Sample should dissolve completely in alcohol	The solution should not be more opalescent than reference suspension II and should be colourless	Not mentioned
8	pH	Between 3.8 and 4.8	Not mentioned	Not mentioned	Not mentioned
9	Completeness of solution	Should comply the test	Sample solution should produce a clear solution	Not mentioned	Not mentioned
10	Arsenic	Not mentioned	Not mentioned	Not mentioned	NMT 5 ppm
11	Heavy metals	Not mentioned	Not mentioned	Not mentioned	NMT 10 ppm
12	Sulfates	NMT 450 ppm	Not mentioned	NMT 450 ppm	Not mentioned
13	Loss on drying	NMT 0.5 %	NMT 0.5%	Not mentioned	NMT 0.5%
14	Assay (dried basis)	Between 99.0% and 100.5% (EP) Between 99.5% and 100.5% (USP)	Between 99.5% and 100.5%	Between 99.0% and 100.5%	NLT 99.5%
15	Microbial limit test Total aerobic microbial count Total yeast and molds count E.Coli Pseudomonas aeruginosa Staphylococcus aureus Salmonella	NMT 100 CFU/g NMT 50 cfu/g Absent/g Absent/g	Absent/g Absent/g	Not mentioned	Not mentioned
16	Bacterial Endotoxin	NMT 2.5 IU/g	Not mentioned	Not mentioned	Not mentioned
	Storage	Not mentioned	Preserve in well-closed containers.	Airtight containers	Well closed 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.