" clyzo " - Monograph Comparison

AS PER CURRENT USP 2022/EP11/JP18

	Product Name	**D(+)-Sucrose (USP-NF, BP, Ph. Eur.) low endotoxin, IPEC grade**	PanReac AppliChem ITW Reagents	**Issue Date**	March-23
	Product Code	631621		**Prepared by**	Sr. Tech Lead
	CAS NO.	57-50-1		**Reviewed by**	Manager Technical
	Manufacturer Name	**PanReac AppliChem**		**Version no.**	CLYZO/PAN/631621/01

Sr. No.	Test	Manufacturer COA	Pharmacopeial Specifications		
		Complies USP, BP, Ph. Eur	*USP 2022*	*EP Version 11.0*	*JP 18*
1	Description	Small white crystals	White, crystalline powder or lustrous, dry, colorless or white crystals.	White or almost white, crystalline powder, or lustrous, colourless or white or almost white crystals.	White crystalline powder, or lustrous colorless or white crystals.
2	Solubility	Very soluble in water	Very soluble in water; slightly soluble in alcohol; practically insoluble in dehydrated alcohol.	Very soluble in water, slightly soluble in ethanol (96 %), practically insoluble in anhydrous ethanol.	It is very soluble in water, and practically insoluble in ethanol (99.5%).
3	Identification 1	Passes The Test	The Infrared absorption spectrum obtained with sample should be concordant with spectrum obtained with Sucrose reference standard/working standard.	The Infrared absorption spectrum obtained with sample should be concordant with spectrum obtained with Sucrose reference standard/working standard.	The Infrared absorption spectrum obtained with sample should be concordant with spectrum obtained with Sucrose reference standard/working standard.
4	Identification 2	Passes The Test	Not mentioned	In TLC, the principal spot in the chromatogram obtained with the test solution is similar in position, colour and size to the principal spot in the chromatogram obtained with reference solution	Not mentioned
5	Identification 3	Passes The Test	Not mentioned	Should comply by orange precipitate formation	Not mentioned
6	Appearance of solution	Passes The Test	The sample solution is clear, and its clarity is same as water, or its opalescence is not more than that of reference suspension 1.	Sample solution should be clear	The sample solution is clear, and its clarity is same as water, or its opalescence is not more than that of reference suspension 1.
7	Special rotation	Between 66.3^0 and 67.0^0	Between 66.3^0 and 67.0^0	Between 66.3^0 and 67.0^0	Between 66.3^0 and 67.0^0
8	Conductivity	NMT 35 µS · cm−1	NMT 35 µS · cm−1	NMT 35 µS · cm−1	NMT 35 µS · cm−1
9	Color value	NMT 45	NMT 45	NMT 45	NMT 45
10	Loss on drying	NMT 0.1%	NMT 0.1%	NMT 0.1%	NMT 0.1%
11	Sulfite	NMT 10 ppm	NMT 10 ppm	NMT 10 ppm	NMT 10 ppm
12	Reducing sugars	Passes The Test	The blue color should not disappear completely,	The blue color should not disappear completely,	The blue color should not disappear completely,
13	Dextrins	Passes The Test	The solution should remain yellow	The solution should remain yellow	The solution should remain yellow
14	Baterial Endotoxins	NMT 0.25 IU/mg			
15	Microbial contamination	TAMC: NMT 200 CFU/g TYC: NMT 10 CFU/g TMC: NMT 10 CFU/g			
	Elemental Impurities		Not mentioned	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			

16	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			
17	Residual solvents	Passes The Test	Not mentioned	Not mentioned	Not mentioned
	Storage	Storage at room temperature	Preserve in well-closed containers.	Not mentioned	Preserve in 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 reprensentive.