



" clyzo " - Monograph Comparison



AS PER CURRENT USP 2022/EP11/JP18

Product Name	Sodium L-Glutamate 1-hydrate (USP-NF) low endotoxin pure, pharma grade	 ITW Reagents	Issue Date	March-23
Product Code	Z41683		Prepared by	Sr. Tech Lead
CAS NO.	6106-04-3		Reviewed by	Manager Technical
Manufacturer Name	PanReac AppliChem		Version no.	CLYZO/PAN/Z41683/01

Sr. No.	Test	Manufacturer COA		Pharmacopeial Specifications	
		Complies USP	USP 2022	EP Version 11.0	JP 18
1	Description	White crystalline powder	White, practically odorless, free-flowing crystals or crystalline powder.		
2	Solubility	Soluble in water	Freely soluble in water; Sparingly soluble in alcohol.		
3	Identification 1	Passes test	The infrared absorption spectrum obtained with sample should be concordant with the spectrum obtained with Sodium L-Glutamate 1-hydrate RS/WS		
4	Identification 2	Passes test	Should comply by a dense precipitate is formed		
5	PH	Between 6.7 and 7.2	Between 6.7 and 7.2		
6	Optical Rotation	Between +24.8 and +25.3°	Between +24.8° and +25.3°		
7	Insoluble matter in H2O	NMT 0.05%	Not mentioned		
8	Clarity and colour of solution	Passes test	Sample solution should be colourless and has no more turbidity than the standard solution		
9	Chloride	NMT 0.2%	NMT 0.25%		
10	Lead	NMT 0.001%	NMT 0.001%		
11	Sulphate	NMT 0.05%	Not mentioned		
12	Loss on Drying	NMT 0.5%	NMT 0.5 %		
13	Bacterial Endotoxins	NMT 0.05IU/mg	Not mentioned		
14	Microbial contamination	TAMC: NMT 100 CFU/g	Not mentioned		
15	Assay	Between 99.0% and 100.5%	Between 99.0% and 100.5%		
16	Elemental impurities			Product Not Official in European Pharmacopoeia	Product Not Official in Japanese pharmacopoeia
	Cd	NMT 0.5 ppm			
	Pb	NMT 10 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 10 ppm			
	Au	NMT 10 ppm			
	Pd	NMT 10 ppm			
	Ir	NMT 10 ppm			
	Os	NMT 10 ppm	Not mentioned		
	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 Solvent	Passes test	NA	
	Storage	Keep containers tightly closed in a dry, cool & well-ventilated place. Keep out of the reach of children.	Preserve in 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.