



" clyzo " - Monograph Comparison



AS PER CURRENT USP 2022/EP11/JP18

Product Name	Sodium L-Glutamate 1-hydrate (USP-NF) pure, pharma grade	 ITW Reagents	Issue Date	March-23
Product Code	141683		Prepared by	Sr. Tech Lead
CAS NO.	6106-04-3		Reviewed by	Manager Technical
Manufacturer Name	PanReac AppliChem		Version no.	CLYZO/PAN/141683/01

Sr. No.	Test	Manufacturer COA		Pharmacopeial Specifications	
		Complies USP	USP 2022	EP Version 11.0	JP 18
1	Descriprion	White crystalline powder	White, practically odorless, free-flowing crystals or crystalline powder.	Product Not Official in European Pharmacopoeia	Product Not Official in Japanese pharmacopoeia
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 of solution	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		
9	Chloride	NMT 0.2%	NMT 0.25%		
10	Lead	NMT 0.001%	NMT 10 ppm		
11	Arsenic	NMT 0.00015%	Not mentioned		
12	Copper	NMT 0.001%	Not mentioned		
13	Iron	NMT 0.001%	Not mentioned		
14	Nickel	NMT 0.001%	Not mentioned		
15	Sulphate	NMT 0.05%	Not mentioned		
16	Loss on Drying	NMT 0.5%	NMT 0.5 %		
17	Assay	Between 99.0% and 100.5%	Between 99.0% and 100.5%		
18	Elemental impurities				
	Cd	NMT 1 ppm	NA		
	Pb	NMT 1 ppm			
19	Residual Solvent(USP)	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.