" clyzo " - Monograph Comparison

AS PER CURRENT USP 2022/EP11/JP18

	Product Name	**L-Asparagine anhydrous (USP-NF) pure, pharma grade**	PanReac AppliChem ITW Reagents	**Issue Date**	March-23
	Product Code	147755		**Prepared by**	Sr. Tech Lead
	CAS NO.	70-47-3		**Reviewed by**	Manager Technical
	Manufacturer Name	**PanReac AppliChem**		**Version no.**	CLYZO/PAN/147755/01

Sr. No.	Test	Manufacturer COA	Pharmacopeial Specifications		
		Complies USP	*USP 2022*	*EP Version 11.0*	*JP 18*
1	Descriprion	Not mentioned	Clear, colorless, viscous liquid. Absorbs moisture when exposed to moist air.	Product Not Official in European Pharmacopoeia	Product Not Official in Japanese Pharmacopoeia
2	Solubility	Not mentioned	Miscible with water and with many organic solvents, including alcohol, ether, chloroform, acetone, and hexanes.		
3	Identification 1	Passes the test	The infrared absorption spectrum obtained with sample should be concordant with the spectrum obatined with Asparagine anhydrous reference/working standard		
4	Identification 2	Passes the test	In the assay test, the retention time of the major peak of the Sample solution corresponds to that of the Standard solution.		
5	Optical Rotation	Between +33.0^0 and +36.5^0	Between +33.0^0 and +36.5^0		
6	Organic Impurities	Maximum individual impurity: NMT 0.5% Total impurities: NMT 1.0%	Asparagine related compound A: NMT 1.0% Aspartic acid: NMT 1.0% Maximum individual impurity: NMT 0.5% Total impurities: NMT 3.0%		
7	Lead	NMT 5 ppm	NMT 5 ppm		
8	Residue on ignition	NMT 0.1%	NMT 0.1%		
9	Loss on drying	NMT 1.0%	NMT 1.0%		
10	Assay (dried basis)	Between 98.0% and 101.5%	Between 95.5% and 102.0%		
11	Microbial contamination	TAMC: NMT 10^3 CFU/g TYMC: NMT 10^2 CFU/g	TAMC: NMT 10^3 CFU/g TYMC: NMT 10^2 CFU/g		
	Storage	Keep in well closed containers	Keep 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.