



# " clyzo " - Monograph Comparison



## AS PER CURRENT USP 2022/EP11/JP18

<b>Product Name</b>	6-Aminohexanoic Acid (Ph. Eur., BP, USP) GMP - IPEC grade		<b>Issue Date</b>	March-23
<b>Product Code</b>	63B764		<b>Prepared by</b>	Sr. Tech Lead
<b>CAS NO.</b>	60-32-2		<b>Reviewed by</b>	Manager Technical
<b>Manufacturer Name</b>	PanReac AppliChem		<b>Version no.</b>	CLYZO/PAN/63B764/01

Sr. No.	Test	Pharmacopeial Specifications			
		Manufacturer COA <i>Complies (Ph. Eur., BP, USP)</i>	USP 2022	EP Version 11.0	JP 18
1	Description	White crystalline powder	Fine, white, crystalline powder. Is odorless, or practically odorless. Its solutions are neutral to litmus. Melts at about 205°.	A white or almost white, crystalline powder or colourless crystals. It melts at about 205°C with decomposition	Product Not Official in Japanese pharmacopeia
2	Solubility	Not mentioned	Freely soluble in water, in acids, and in alkalies; slightly soluble in methanol and in alcohol; practically insoluble in chloroform and in ether.	Freely soluble in water, slightly soluble in ethanol (96 per cent).	
3	Identification 1	Passes The Test	The infrared absorption spectrum obtained with sample should be concordant with spectrum obtained with 6-Aminohexanoic Acid reference/working standard	The infrared absorption spectrum obtained with sample should be concordant with spectrum obtained with 6-Aminohexanoic Acid reference/working standard	
4	Identification 2	Passes The Test	Not mentioned	In the test of related substances, the principal spot in the chromatogram obtained with the test solution (b) is similar in position, colour and size to the principal spot in the chromatogram obtained with reference solution (a).	
5	Identification 3	Passes The Test	Not mentioned	Residue should melt between 131 °C and 133 °C.	
6	Identification 4	Passes The Test	Not mentioned	An orange colour should develop.	
7	pH	Between 7.5 and 8.0		Between 7.5 and 8.0	
8	Water	NMT 0.5%	NMT 0.5%	Not mentioned	
9	Appearance of solution	Passes The Test	Not mentioned	Sample solution should be colorless and remains colorless on standing for 24 hours	
10	Absorbance	Absorbance at 287 nm should be NMT 0.10 and at 450 nm NMT 0.03. On standing for 72 hours : Absorbance at 287 nm should be NMT 0.15 and at 450 nm NMT 0.03	Not mentioned	Absorbance at 287 nm should be NMT 0.10 and at 450 nm NMT 0.03. On standing for 72 hours : Absorbance at 287 nm should be NMT 0.15 and at 450 nm NMT 0.03	
11	Loss on drying	NMT 0.5%	Not mentioned	NMT 0.5%	
12	Sulfated ash	Not mentioned	Not mentioned	NMT 0.1%	
13	Residue on ignition	NMT 0.1%	NMT 0.1%	Not mentioned	
14	Ninhydrin positive substances	NMT 0.5%	Not mentioned	NMT 0.5%	
15	Assay	Between 98.5% and 101.5 % (by HPLC) Between 98.5% and 101.0 % (by titrimetry)	Between 98.5% and 101.5 %	Between 98.5% and 101.0 %	
16	Residual metals		Not mentioned	Not mentioned	
	Pt	NMT 10 ppm			
	Pd	NMT 10 ppm			
	Ir	NMT 10 ppm			
	Rh	NMT 10 ppm			
	Ru	NMT 10 ppm			
	OS	NMT 10 ppm			
	Mo	NMT 25 ppm			
	Ni	NMT 25 ppm			
	Cr	NMT 25 ppm			
	V	NMT 25 ppm			
	Cu	NMT 250 ppm			
	Mn	NMT 250 ppm			
	Fe	NMT 1.300 ppm			

	Zn	NMT 1.300 ppm		
17	Residual solvents	Passes The Test	Not mentioned	Not mentioned
	Storage	Storage away from direct light	Preserve in tight containers. Store at room temperature.	In an airtight container, protected from light.

**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.