



# " clyzo " - Monograph Comparison



## AS PER CURRENT USP 2022/EP11/JP18

<b>Product Name</b>	Diethanolamine (USP-NF) pharma grade		<b>Issue Date</b>	March-23
<b>Product Code</b>	191287		<b>Prepared by</b>	Sr. Tech Lead
<b>CAS NO.</b>	111-42-2		<b>Reviewed by</b>	Manager Technical
<b>Manufacturer Name</b>	PanReac AppliChem		<b>Version no.</b>	CLYZO/PAN/191287/01

Sr. No.	Test	Manufacturer COA		Pharmacopeial Specifications	
		Complies USP-NF	USP 2022	EP Version 11.0	JP 18
1	Description	Clear, colorless liquid	White or clear, colorless crystals, deliquescent in moist air; or colorless liquid.	Product Not official in European Pharmacopoeia	Product Not Official in Japanese Pharmacopoeia
2	Solubility	Miscible with water, alcohol, acetone, chloroform and glycerin. Slightly soluble to insoluble in benzene, ether and petroleum ether. .	Miscible with water, with alcohol, with acetone, with chloroform, and with glycerin. Slightly soluble to insoluble in benzene, in ether, and in petroleum ether.		
3	Identification 1	Passes test	The infrared absorption spectrum obtained with sample should be concordant with spectrum obtained with diethanolamine reference/wprking standard		
4	Freezing point	Between 27°C and 28°C	Not mentioned		
5	Triethanolamine	NMT 1.0%	NMT 1.0%		
6	Refractive Index	Between 1.473 and 1.476	Between 1.473 and 1.476		
7	Water	NMT 0.15%	NMT 0.15%		
8	Assay	Between 98.5% and 101.0%	etween 98.5% and 101.0%		
9	Elemental impurities		Not mentioned		
	Cd	NMT 0.5 ppm			
	Pb	NMT 0.5 ppm			
	Assay	NMT 1.5 ppm			
	Hg	NMT 1.5 ppm			
	CO	NMT 5 ppm			
	V	NMT 10 ppm			
	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			
	Storage	Keep container sealed.	Preserve in tight, light-resistant 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.