




# " clyzo " - Monograph Comparison



## AS PER CURRENT USP 2022/EP11/JP18

<b>Product Name</b>	Trichloroacetic Acid (BP, Ph. Eur.) pure, pharma grade	 ITW Reagents	<b>Issue Date</b>	March-23
<b>Product Code</b>	141067		<b>Prepared by</b>	Sr. Tech Lead
<b>CAS NO.</b>	76-03-9		<b>Reviewed by</b>	Manager Technical
<b>Manufacturer Name</b>	PanReac AppliChem		<b>Version no.</b>	CLYZO/PAN/141067/01

Sr. No.	Test	Manufacturer COA	Pharmacopeial Specifications		
		Complies Ph. Eur.	USP 2022	EP Version 11.0	JP 18
1	Description	White crystals	Product Not Official in USP pharmacopoeia	White or almost white, crystalline mass or colourless crystals, very deliquescent.	Product Not Official in Japanese pharmacopoeia
2	Solubility	Very soluble in water		Very soluble in water, in ethanol (96 per cent) and in methylene chloride.	
3	Identification 1	Passes The Test		The infrared absorption spectrum obtained with sample should be concordant with spectrum obtained with Trichloroacetic acid reference/working standard	
4	Identification 2	Passes The Test		The upper layer should show an intense red colour	
5	Identification 3	Passes The Test		Sample solution should be strongly acid (pH below 4.0)	
6	Appearance of solution	Passes The Test		sample solution should be clear and not more intensely colored tha reference solution BY7	
7	Insoluble matter in H2O	NMT 0.01 %		Not mentioned	
8	Chloride	NMT 0.005 %		NMT 100 ppm	
9	Sulfate	NMT 0.05 %		Not mentioned	
10	Nitrate	NMT 0.02 %		Not mentioned	
11	Loss on drying	NMT 1.0 %		Not mentioned	
12	Residue on ignition	NMT 0.05 %		Not mentioned	
13	sulfated ash	Not mentioned		NMT 0.1%	
14	Assay	Between 99.0 % and 100.5 %		Between 98.0% and 100.5%	
15	Elemental Impurities			Not mentioned	
	Cd	NMT 0.5 ppm			
	Pb	NMT 0.5 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 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	Storage away from direct light	In an airtight container		

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.