



# " clyzo " - Monograph Comparison



## AS PER CURRENT USP 2022/EP11/JP18

<b>Product Name</b>	N,N-Dimethylacetamide (BP, Ph. Eur.) pure, pharma grade		<b>Issue Date</b>	March-23
<b>Product Code</b>	143145		<b>Prepared by</b>	Sr. Tech Lead
<b>CAS NO.</b>	127-19-5		<b>Reviewed by</b>	Manager Technical
<b>Manufacturer Name</b>	PanReac AppliChem		<b>Version no.</b>	CLYZO/PAN/143145/01

Sr. No.	Test	Manufacturer COA	Pharmacopeial Specifications		
		<i>Complies BP, Ph. Eur.</i>	<i>USP 2022</i>	<i>EP Version 11.0</i>	<i>JP 18</i>
1	Description	Clear, Colourless liquid. Hygroscopic	Product Not Official in USP pharmacopoeia	Clear, colourless, slightly hygroscopic liquid. Boiling point: about 165 °C	Product Not Official in Japanese pharmacopoeia
2	Solubility	Miscible with water		Miscible with water, with ethanol (96 %), and with most common organic solvents.	
3	Identification 1	Passes The Test		The Infrared absorption spectrum obtained with sample should be concordant with spectrum obtained with N,N-Dimethylacetamide reference standard/working standard.	
4	Identification 2	Passes The Test		Relative density should be between 0.941 and 0.944.	
5	Identification 3	Passes The Test		Refractive index should be between 1.435 and 1.439.	
6	Identification 4	Passes The Test		Should comply by development of reddish-brown colour.	
7	Specific Gravity	Between 0.941 and 0.944.		Between 0.941 and 0.944.	
8	Appearance	Passes The Test		The substance to be examined is clear and not more intensely coloured than reference solution Y7	
9	Acidity	Passes The Test		NMT 5.0 mL of 0.02 M KOH is required to restore the initial colour	
10	Alkalinity	Passes The Test		NMT 0.5 mL of 0.02 M HCl is required to restore the initial colour	
11	Water	NMT 0.1 %		NMT 0.1 %	
12	Non-volatile matter	NMT 0.002%		NMT 20 ppm	
13	Related substances	Maximum individual unknown Impurity: NMT 0.1 % Total impurities: NMT 0.3 %		Maximum individual unknown Impurity: NMT 0.1 % Total impurities: NMT 0.3 %	
14	Assay	NLT 99.0%			
15	Elemental Impurities		Not mentioned	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			
16	Residual solvents (Ph.Eur.)	PassesThe Test		Not mentioned	
	Storage condition	Storage away from direct light		In an airtight container, protected from light.	
<p>Note - If you need any additional testing, you may use our Additional Testing Feature on the product page or contact your Clyzo representative.</p>					
<p>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 &amp; verify the specifications in accordance with their intended usage.</p>					