



" clyzo " - Monograph Comparison



AS PER CURRENT USP 2022/EP11/JP18

Product Name	1-Butanol (USP-NF) pure, pharma grade		Issue Date	March-23
Product Code	141082		Prepared by	Sr. Tech Lead
CAS NO.	71-36-3		Reviewed by	Manager Technical
Manufacturer Name	PanReac AppliChem		Version no.	CLYZO/PAN/141082/01

Sr. No.	Test	Pharmacopeial Specifications			
		Manufacturer COA	Pharmacopeial Specifications		
		<i>Complies USP</i>	<i>USP 2022</i>	<i>EP Version 11.0</i>	<i>JP 18</i>
1	Description	Clear, colorless liquid	Clear, colorless, mobile liquid, having a characteristic, penetrating vinous odor.	Product Not official in European Pharmacopoeia	Product Not Official in Japanese Pharmacopoeia
2	Solubility	Soluble in water	Soluble in water. Miscible with alcohol, with ether, and with many other organic solvents		
3	Identification 1	The infrared absorption spectrum obtained with sample should be concordant with spectrum obtained with Butyl Alcohol reference/wprking standard	The infrared absorption spectrum obtained with sample should be concordant with spectrum obtained with Butyl Alcohol reference/wprking standard		
4	Identification 2	Not mentioned	In the assay test, the retention time of the major peak from the Sample solution corresponds to the 1-butanol peak from the System suitability solution,		
5	Acidity	NMT 0.0008 meq/g	NMT 2.5 m of 0.020 N alcoholic KOH is consumed.		
6	Alkalinity	NMT 0.001meq/g	Not mentioned		
7	Water	NMT 0.1%	NMT 0.1%		
8	Non volatile residue	NMT 0.004%	NMT 0.004%		
9	Butyraldehyde, 2-Butanol, Isobutyl Alcohol and Butyl Ether	Butyraldehyde: NMT 0.1% 2-Butanol: NMT 0.1% Isobutyl Alcohol: NMT 0.1% Butyl Ether: NMT 0.2%	Butyraldehyde: NMT 0.1% 2-Butanol: NMT 0.1% Isobutyl Alcohol: NMT 0.1% Butyl Ether: NMT 0.2%		
10	Assay	NLT 99.5%	NLT 99.5%		
11	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	
12	Residual solvents		Not mentioned
	Acetone	NMT 0.02%	
	Butanol	NMT 0.03%	
13	Storage	Away from sources of ignition and heat. Keep receptacle tightly sealed. Protect from heat and direct sunlight.	Preserve in tight containers, and prevent exposure to excessive heat

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.