



" clyzo " - Monograph Comparison



AS PER CURRENT USP 2022/EP11/JP18

Product Name	Isopropyl Myristate (Ph. Eur.) pure, pharma grade		Issue Date	March-23
Product Code	143712		Prepared by	Sr. Tech Lead
CAS NO.	110-27-3		Reviewed by	Manager Technical
Manufacturer Name	PanReac AppliChem		Version no.	CLYZO/PAN/143712/01

Sr. No.	Test	Manufacturer COA		Pharmacopeial Specifications		
		Complies Ph. Eur.	USP 2022	EP Version 11.0	JP 18	
1	Description	Liquid	Clear, practically colorless, oily liquid. Is practically odorless, and congeals at about 5°C.	Clear, colourless, oily liquid. Relative density about 0.853		Product Not Official in Japanese Pharmacopoeia
2	Solubility	Insoluble in water	Freely soluble in 90% alcohol; insoluble in water, in glycerin, and in propylene glycol. Miscible with most organic solvents and	Immiscible with water, miscible with ethanol (96 %), with methylene chloride, with fatty oils and with liquid paraffin.		
3	Identification 1	Passes test	In assay test, the retention times of the major peaks of the Sample solution correspond to those of the System suitability solution.	In assay test, the principal peak in the chromatogram obtained with the test solution is similar in retention time to the principal peak in the chromatogram obtained with the reference solution		
4	Identification 2	Passes test	Not mentioned	Should comply by Specification test		
5	Identification 3	Passes test	Not mentioned	Should comply by a yellowish-red colour appearance at the junction of the 2 liquids which gradually becomes red.		
6	Appearance of solution	Passes test	Not mentioned	The sample solution should be clear and not more intensely coloured than reference solution Y7		
7	Specific Gravity	Not mentioned	Between 0.846 and 0.854	Not mentioned		
8	Refractive Index	Between 1.434 and 1.437	Between 1.432 and 1.436	Between 1.434 and 1.437.		
9	Saponification Value	Between 202 and 212	Between 202 and 212.	Between 202 and 212.		
10	Iodine Value	NMT 1.0	NMT 1.0	NMT 1.0		
11	Acid Value	NMT 1.0	NMT 1.0	NMT 1.0		
12	Residue on Ignition	Not mentioned	NMT 0.1%	Not mentioned		
13	Total ash	NMT 0.1%	Not mentioned	NMT 0.1%		
14	Viscosity	Between 5 mPa·s to 6 mPa·s.	Not mentioned	Between 5 mPa·s to 6 mPa·s.		
15	Water	NMT 0.1%	Not mentioned	NMT 0.1%		
16	Assay (C17H34O2)	NLT 90.0%	NLT 90.0 %	NLT 90.0 %		
	Storage	Store at room temperature	Preserve in tight, light-resistant containers	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.