

0.0005 %

0.0002 %

NMT 0.025%

NMT 0.01%

NMT 0.1%

NMT 0.1%

NA

Should comply the test

Impurity C: NMT 0.1%

Between 99.0% and 100.5%

Maximum unspecified impurity NMT- 0.1%

Total impurities (Excluding impurity C &D)-0.2%

Sulfate

Loss on drying

Sulphated Ash

Residue on Ignition

Related substances

21 Assay (dried basis)

Impurity E (Oxalic Acid)

Matter insoluble in water

Sr. No.

1

2

3

4

5

6

7

8 рН

9

10

11 Copper

12 Iron

13

14 Chloride

15

16

17

18

19

20

" clyzo " - Monograph Comparison 🔗

Not mentioned

Between 99.0% and 100.5%

NMT 0.1%

0.2% Not mentioned

Impurity D: NMT 0.15%



clyzo

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AS PER CURRENT USP 2022/EP11/JP18									
	Product Name	L(+)-Ascorbic Acid (USP, BP, Ph. Eur.) pure, pharma grade	PanReac Applichem	Issue Date	March-23				
	Product Code	141013	Applichem ITW Reagents	Prepared by	Sr. Tech Lead				
	CAS NO.	50-81-7		Reviewed by	Manager Technical				
	Manufacturer Name	PanReac AppliChem	1	Version no.	CLYZO/PAN/141013/01				
			·	·					
о.	Test	Manufacturer COA	Pharmacopeial Specifications						
		Complies USP, BP, Ph. Eur.	USP 2022	EP Version 11.0	JP 18				
	Descriprion	Small white crystals	White or slightly yellow crystals or powder. On exposure to light it gradually darkens. In the dry state, is reasonably stable in air, but in solution rapidly oxidizes. Melts at about 190°C.	White or almost white, crystalline powder or colourless crystals, becoming discoloured on exposure to air and moisture.Melting point at about 190 °C with decomposition	White crystals or white crystalline powder. In is odourless and has an acid taste. Melting point at about 190 °C with decomposition				
	Solubility	Soluble in water	Freely soluble in water; sparingly soluble in alcohol; insoluble in chloroform, in ether, and in benzene.	Freely soluble in water, sparingly soluble in ethanol (96 per cent).	Freely soluble in water, sparingly soluble in ethanol (95%) practically insoluble in diethyl ether				
	Identification 1	Passes Test	The Infrared absorption spectrum obtained with sample should be concordant with spectrum obtained with Ascorbic acid reference standard/working standard	The Infrared absorption spectrum obtained with sample should be concordant with spectrum obtained with Ascorbic acid reference standard/working standard	The colour of the solution should be discharged imemdiately in each case				
	Identification 2	Passes Test	Sample solution should reduce alkaline cupri tartarate TS slowly at room temperature but more readily upon heating	UV absorption spectrum of ample solution shows maxima at about 243 nm , Specific absorbance at maximum is between 545 to 585	A blue colour should be develop				
	Identification 3	Passes Test	Not mentioned	pH should be between 2.1 and 2.6	Not mentioned				
	Identification 4	Passes Test	Not mentioned	A grey precipitate should be formed	Not mentioned				
	Optical Rotation	Between +20.5 ⁰ and +21.5 °	Between +20.5 ⁰ and +21.5 ⁰	Between +20.5 ⁰ and +21.5 °	Between +20.5 ⁰ and +21.5 °				
	рН	NA	Not mentioned	Not mentioned	Between 2.2 and 2.5				
	Clarity and colour of solution	Passes Test	Not mentioned	Sample solution should be clear and not more intensely coloured than reference solution BY7	The sample solution should be clear and colourless				
	Heavy metals	0.001%	Not mentioned	Not mentioned	NMT 20 ppm				
_		0.0005.0/	N 1 1	N 1 1 1 1	here is a				

NMT 5 ppm

NMT 2 ppm

Not mentioned

Not mentioned

Not mentioned

Not mentioned

Not mentioned

Impurity C :NMT 0.15% Impurity D: NMT 0.15%

Between 99.0% and 100.5%

Maximum unspecified impurity NMT- 0.1%

Total impurities (Excluding impurity C &D)-

NMT 0.1%

NMT 0.2%

0.2%

Not mentioned

NLT 99.0%

NMT 0.2%

NMT 0.1%

	Elenemtal Impurities								
	Cd	0.5 ppm	Not mentioned	Not mentioned	Not mentioned				
	Pb	0.5 ppm							
	As	1.5 ppm							
	Hg	1.5 ppm							
	Co	5 ppm							
	V	10 ppm							
	Ni	20 ppm							
	TI	5 ppm							
	Au	10 ppm							
	Pd	10 ppm							
	Ir	10 ppm							
22	Os	10 ppm							
	Rh	10 ppm							
	Ru	10 ppm							
	Se	15 ppm							
	Ag	15 ppm							
	Pt	10 ppm							
	Li	55 ppm							
	Sb	120 ppm							
	Ва	140 ppm							
	Mo	25 ppm							
	Cu	5 ppm							
	Sn	600 ppm							
	Cr	25 ppm							
23	Residual solvents	Passes Test	Not mentioned	Not mentioned	Not mentioned				
	Storage	Store away from direct sunlight	Store in light resistant tight containers	In a non-metallic container, protected from light.	Store in light resistant tight containers				
Note - If you need any additional testing, you may use our Additional Testing Feature on the product page or contact your Clyzo reprensentive.									
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.									