

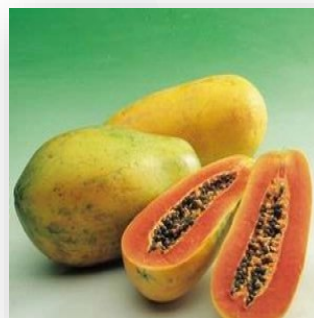
Glycine USP

INCI Name: Glycine

CAS Numbers: 56-40-6

Description:

Glycine is a nonessential amino acid. It is the only amino acid that does not form an L or D optical rotation. Glycine is the simplest amino acid and is found in the protein of all life forms. Glycine is used in the pharmaceutical field as a component of drugs for dermatological use, specifically for eczema and dermatitis. In cosmetics its primary use is as a buffering agent. In nutrition, glycine is used as a component for parenteral and enteral nutrition.



Technical Data:

TEST ITEMS	STANDARD	
Appearance	White crystal or crystalline powder.	
Assay	98.5% ~ 101.5%	
Loss on drying (105°C,2h)	0.2% max	
Residue on ignition	0.1% max	
Chloride (Cl)	0.007% max	
Sulfate (SO4)	0.0065% max	
Heavy metal (Pb)	0.002% max	
Iron (Fe)	0.001% max	
Copper (Cu)	0.0005% max	
Arsenic (As)	0.0001% max	
Manganese (Mn)	0.0001% max	
PH	5.9 ~ 6.2	
Hydrolyzable substances	Must pass	
Microbiological Standards	TPC	1000cfu/gm max
	E. Coli	Negative
	Salmonella	Negative
Foreign particals	Must absent	

Applications:

Used as a buffering agent, fragrance ingredient, hair conditioning agent, skin-conditioning agent and anti-static.



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