



SPECIFICATION SHEET

Product Name	:	Glycine, Ph.Eur.,BP,JP,USP
Product Number	:	927.033
Brand	:	ISOLAB
CAS Number	:	56-40-6
Formula	:	C ₂ H ₅ NO ₂
Formula Weight	:	75.06 g/mol

TEST NAME	SPECIFICATION	UNIT
Assay	99.0 - 101 %	%
Identification (IR,TLC)	Passes test	
Appearance	white to almost white. crystalline powder	
Appearance of solution	Passes test	
pH (%5, H ₂ O, 25°C)	5.9 -6.3	
Chloride (Cl)	≤ 0.007 %	%
Sulphate (SO ₄)	≤ 0.006 %	%
Heavy metals (as Pb)	≤ 0.0005 %	%
As (Arsenic)	≤ 0.0001 %	%
Hydrolyzable substances	passes test	
Ninhydrin - positive substances(TLC)	≤ 0.5 %	%
Any ninhydrin-positive substance (by AAA)	≤ 0.1 %	%
Ammonium (by AAA)	≤ 0.02 %	%
Total ninhydrin-positive substance (by AAA)	≤ 1.0 %	%
Glycine anhydride (HPLC) (Impurity B)	≤ 0.1 %	%
Diglycine (HPLC) (Impurity H)	≤ 0.1 %	%
Triglycine (HPLC) (Impurity I)	≤ 0.1 %	%
Related substances (HPLC)(unspecified impurities)	≤ 0.1 %	%
Related substances (HPLC) (Sum of all impurities)	≤ 0.2 %	%
Monochloroacetic acid	≤ 0.02 %	%
Iminodiacetic acid	≤ 0.05 %	%
Hexamethylenetetramine	≤ 0.03 %	%
Methanol (GC)	≤ 0.3 %	%
Loss on drying (105°C, 3h)	≤ 0.2 %	%
Sulfated ash	≤ 0.1 %	%

Quality Management
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TEST NAME	SPECIFICATION	UNIT
Total viable aerobic count	≤ 100 CFU/g	CFU/g
Moulds and yeasts	≤ 10 CFU/g	CFU/g
Escherichia Coli	≤ 0 CFU/g	CFU/g
Salmonellen / Salmonella	≤ 0 CFU/g	CFU/g
Pseudomonas aeruginosa	≤ 0 CFU/g	CFU/g
Staphylococcus aureus	≤ 0 CFU/g	CFU/g
Iron (Fe)	≤ 0.001 %	%
Residual Solvent	passes test	
Bile-tolerant gram - negative bacteria	0 CFU/g	CFU/g
Candida albicans	0 CFU/g	CFU/g

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