



Specification for Glycine, USP, JP, bioCERTIFIED(TM) (G9350)

Item Number	G9350
Item	Glycine, USP, JP, bioCERTIFIED(TM)
CAS Number	56-40-6
Molecular Formula	C ₂ H ₅ NO ₂
Molecular Weight	75.07
MDL Number	
Synonyms	

Test	Specification	
	Min	Max
ASSAY (DRIED BASIS, USP)	98.5	101.0 %
APPEARANCE OF SOLUTION (JP)	CLEAR,COLORLESS	
TRANSMITTANCE OF SOLUTION (bioCERTIFIED)	98 %	-
pH (bioCERTIFIED)	5.9	6.4
LOSS ON DRYING (USP)		0.2 %
RESIDUE ON IGNITION (USP, JP)		0.1 %
CHLORIDE (USP)		0.007 %
SULFATE (bioCERTIFIED)		0.006 %
HYDROLYZABLE SUBSTANCES (USP)		TO PASS TEST
AMMONIUM (JP)		0.02 %
ELEMENTAL IMPURITIES (USP)	AS REPORTED	
HEAVY METALS (bioCERTIFIED)		5 ppm
IRON (bioCERTIFIED)		10 ppm
ARSENIC (bioCERTIFIED)		1 ppm
RELATED SUBSTANCES (TLC, JP)		TO PASS TEST
RELATED COMPOUNDS USP:		
GLYCINE ANHYDRIDE		0.10 %
MONOCHLOROACETIC ACID		0.10 %
IMINODIACETIC ACID		0.10 %
DIGLYCINE		0.10 %
TRIGLYCINE		0.10 %
HEXAMETHYLENETETRAMINE		0.10 %
ANY UNSPECIFIED IMPURITY		0.10 %
TOTAL IMPURITIES		0.2 %

Test	Specification	
	Min	Max
TOTAL MICROBIAL COUNT:		
TOTAL MICROORGANISMS (bioCERTIFIED)		100 cfu/g
MOLD (BioCERTIFIED)		10 cfu/g
COLIFORMS		Negative
BACTERIAL ENDOTOXINS		6.0 EU/g
APPEARANCE		
EXPIRATION DATE		
DATE OF MANUFACTURE		
RESIDUAL SOLVENTS		TO PASS TEST

Spectrum Chemical Mfg Corp

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