

Chem-Impex International, Inc.

Tel: (630) 766-2112

E-mail: sales@chemimpex.com

Shipping and Correspondence:

935 Dillon Drive

Wood Dale, IL 60191

Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191

Product Specifications



Catalogue Number	36923
Product	Glycine, non-animal origin Aminoethanoic acid Aminoacetic acid
CAS Number	56-40-6
Molecular Formula	C ₂ H ₅ NO ₂
Molecular Weight	75.07

Appearance	White crystalline powder
Solubility	Freely soluble in water and in formic acid, practically insoluble in ethanol (95%)
Elemental Analysis (Theory)	Nitrogen (N) : 18.66 ± 0.1%
Heavy Metals	≤ 10 ppm (as Pb)
Anion	Chloride (Cl) : ≤ 0.007% Sulfate (SO ₄) : ≤ 0.006%
Cation	Ammonium (NH ₄) : ≤ 0.02% Iron (Fe) : ≤ 10 ppm Arsenic (As ₂ O ₃) : ≤ 1 ppm
pH	5.9 - 6.4
Infrared Spectrum	Conforms to structure
Loss on Drying	≤ 0.20%
Endotoxin Test	≤ 6.0 EU/g
Related Substances	1)Any unspecified impurity : ≤ 0.10%; Total impurities : ≤ 1% 2)Glycine anhydride : ≤ 0.10%; Diglycine : ≤ 0.10% ; Triglycine : ≤ 0.10%; Any unspecified impurity : ≤ 0.10%; Total impurities : ≤ 0.20%
Sulfated Ash	≤ 0.10%
Assay	98.5 - 101.0%
Grade	USP, EP, JP
Storage	Store at RT

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Additional Information Taste : Sweet
State of solution at 20 °C : $\geq 98\%$, Clear and colorless
Hydrolyzable substances : To pass test

For Laboratory Use Only