

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaaldrich.comEmail USA: techserv@sial.comOutside USA: eurtechserv@sial.com

Product Specification

Product Name:

Glycine – from non-animal source, meets EP, JP, USP testing specifications, suitable for cell culture, ≥98.5%

Product Number:

G8790

CAS Number:

56-40-6

MDL:

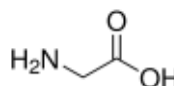
MFCD00008131

Formula:

C₂H₅NO₂

Formula Weight:

75.07 g/mol



TEST	Specification
Appearance (Color)	White
Appearance (Form)	Powder
Solubility (Color)	Colorless
Solubility (Turbidity)	Clear
1.0 g to 10 ml of water	
Identity by IR	Conforms to Structure
Origin	Conforms
Must be non-animal source	
Chloride (Cl)	Conforms
< or = 0.007%	
Ammonium	Conforms
< or = 0.02%	
Sulfate	Conforms
< or = 0.0065%	
Iron (Fe)	< = 10 ppm
Heavy Metals (as Lead)	< = 10 ppm
Arsenic (As)	< = 2 ppm
Loss on Drying	≤ 0.2 %
Residue on ignition (Ash)	≤ 0.1 %
Hydrolyzable Substances	Conforms
Ninhydrin-Positive Substances	Conforms
(Other amino acids)	
pH	5.9 - 6.4
5 % in water	
Assay (Dry Basis)	98.5 - 101.0 %

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

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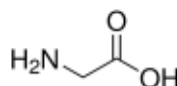
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TEST

Specification

Note

Meets USP, EP, and JP testing specifications

Residual Solvents USP 467

Endotoxin Assay

Cell Culture Test

Recommended Retest Period

3 years

Meets Requirements

≤ 1 EU/mg

Pass

Specification: PRD.1.ZQ5.10000032815

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