



Glycine Ultrapure

Catalog number

G8165

Supplier

United States Biological

Glycine is used in Tris-Glycine electrophoresis buffer formulations. This is a highly purified grade suitable for use in peptide synthesis. Special grade of Glycine used specifically for cell culture and Molecular Biology applications.

Synonyms

Aminoacetic acid; Glycocol; Aminoethanoic acid

CAS No

56-40-6

Molecular Formula

C₂H₅NO₂

Molecular Weight

75.07

Purity

≥99%

Appearance

White crystalline or powder

Solubility

Complete solubility in water; slight solubility in alcohol and ether.

pH (1%)

5.9-6.5

Residue on Ignition

≤0.1%

Heavy Metals (Pb)

≤0.002%

Chloride

≤0.007%

Sulfate

≤0.0065%



Identity (IR)

Conforms to reference USP

Loss on Drying (Dry at 105°C for 2 hrs.)

≤0.2%

RNase

None Detected

DNase

None Detected

Protease

None Detected

Storage and Stability

Glycine is stable at RT. Powder may be stored at 4°C for long term storage. Stable for 12 months after receipt at 4°C.

Grade

Molecular Biology Grade

Storage

RT

MW

75.07

Formula

C₂H₅NO₂