

Product Datasheet

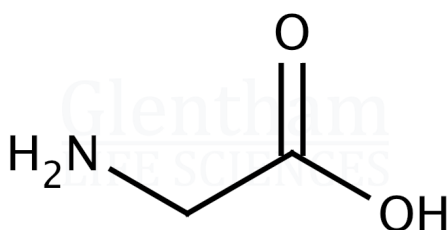
GM2320 - Glycine, EP, USP grade

Product Details

Product Name	Glycine, EP, USP grade
Glenthams Code	GM2320
CAS Number	56-40-6
EINECS	200-272-2
MDL Number	MFCD00008131
PubChem SID	310274276
Related Categories	Amino Acids, Biochemicals, Buffers, Raw Materials (IVD), Reagents for Gel Electrophoresis of Proteins, Reagents for Cell Culture, Reagents for Western Blotting

Structure

Molecular Weight	: 75.07
Molecular Formula	: C ₂ H ₅ NO ₂



Storage

Recommended storage temperature: +20°C.

Hazards and Transport

Not classified as hazardous under CLP.
Not classified as dangerous for transport.

Glenthams Product Specification

Physical Description	: White crystalline powder
Identification	: IR
Solubility (10% in water)	: Clear, colourless solution
pH (5% in water)	: 5.9 - 6.4
Heavy Metals (as Pb)	: ≤ 10ppm
Chloride (Cl)	: ≤ 0.007%
Sulphate (SO ₄)	: ≤ 0.0065%
Lead (Pb)	: ≤ 3ppm
Arsenic (As)	: ≤ 1ppm
Mercury (Hg)	: ≤ 0.1ppm
Cadmium (Cd)	: ≤ 1ppm
Residue on Ignition	: ≤ 0.1%
Loss on Drying	: ≤ 0.2%
Hydrolysable Substances	: To pass test
Organic Volatile Impurities	: To pass test
Ninhydrin-positive substances	: To pass test
Assay (Titration)	: 98.5 - 101.5 % (dried basis)
Pharmacopoeia Specification(s)	: EP, USP
Version	: v1.1

About Glycine, EP, USP grade

Glycine is an inhibitory neurotransmitter in the central nervous system, especially in the spinal cord, brainstem, and retina and is a required co-agonist along with glutamate for NMDA receptors.

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