GMP Biotech Product



GLUTAMINE (L) BIOTECH USP, GMP LGLM-6201

C₅H₁₀N₂O₃·2H₂O ↑ F.W. 146.14 g/mol ↑ CAS# 56-85-9

Intended for Use in Biopharmaceutical & Biotechnological Applications and Products

L-Glutamine is synthesized and purified under full GMP conditions and meets compendial applications.

L-Glutamine is used as a supplement energy source for certain types of mammalian cells and is used in other biopharmaceutical manufacturing applications.

SPECIFICATIONS

Analysis	SPECIFICATIONS
Assay (dried basis) (USP)	98.5 % - 101.5 %
Appearance and Color (USP)	White crystals or crystalline powder
Chloride (USP)	≤ 0.05 %
Identification A (IR) (USP)	Passes Test
Iron (USP)	≤ 10 ppm
Loss on Drying (USP)	≤ 0.3 %
Optical Rotation, Specific Rotation @ 20°C (USP)	+6.3° to +7.3°
Residue on Ignition (USP)	≤ 0.1 %
Related Compounds (USP)	≤ 0.5 %
Sulfate (USP)	≤ 0.03 %



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General Product Description:

Molecular Formula: C₅H₁₀N₂O₃ · 2H₂O Molecular Weight: 146.14 g/mol

CAS Number: 56-85-9

L-Glutamine Biotech:

- Appears as a white crystalline powder
- Is manufactured under an ISO Quality Managed cGMP System
- Manufactured in an enzyme free, hormone free and animal free environment
- Has no known major food allergens (as defined by FDA and WHO)
- The final product nor its raw materials are not derived from nor come into contact with animals, animal parts, animal products, and/or animal byproducts or derivatives.
- Is not subject to genetic modification
- Synonyms: (S)-2,5-Diamino-5-oxopentanoic acid, L- Glutamic acid 5-amide.

Shelf Life Policy:

Three-year expiry from the date of manufacture.

Storage and Shipping Conditions:

Please refer to the SDS for storage and shipping conditions.

Package Size:

100g, 500g, 1kg, 5kg, 10kg, 25kg, 50kg