

L-GLUTAMINE, SYNTHETIC BIOTECH, MEETS USP, GMP BIO QUALIFIED GRADE / LGLM-6301

$C_5H_{10}N_2O_3$ Δ F.W. 146.14 g/mol Δ 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. It is used as a supplement energy source for certain types of mammalian cells and is used in other biopharmaceutical manufacturing applications.

SPECIFICATIONS

ANALYSIS	SPECIFICATIONS
Appearance and Color	White Crystals or Crystalline Powder
Assay, Dried Basis	98.5 – 101.5%
Chloride	≤ 500 ppm
Identification A, IR	Conforms to Reference Standard
Iron	≤ 10 ppm
Loss on Drying	≤ 0.3 %
Optical Rotation, Specific Rotation @ 20°C	+6.3° to +7.3°
Residue on Ignition	≤ 0.1 %
Related Compounds	≤ 0.5 %
Sulfate	≤ 300 ppm

General Product Description:

Molecular Formula: $C_5H_{10}N_2O_3 \cdot 2H_2O$

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