

L-GLUTAMINE, SYNTHETIC

BIOTECH, USP, GMP
CAS #: 56-85-9
Formula: C₅H₁₀N₂O₃
F.W.: 146.14 g/mol
LGLM-6301
BIO QUALIFIED GRADE

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

Country of Origin: India

**Blended, Tested, Packaged in Bangor, PA, USA
under full GMP conditions.**

Package Sizes

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

Standard Lead Time

1-2 weeks

Standard Shelf Life Policy

Each Certificate of Analysis (CofA) will contain a 2-year retest/recertification date supported by a 3-year ICH Q1 Stability Study (if one is completed).

Intended for Use in Biopharmaceutical & Biotechnological Applications and Products

L-Glutamine is synthesized 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.

General Product Description

- Appears as a white crystalline powder
- Manufactured under a Quality Managed cGMP System
- Manufactured in an enzyme free, hormone free and animal free environment
- No known major food allergens (as defined by FDA and WHO)
- The final product and its raw materials are not derived from nor come into contact with animal parts, animal products, and/or animal byproducts/derivatives.
- Is not subject to genetic modification
- Synonyms: (S)-2,5-Diamino-5-oxopentanoic acid, L-Glutamic acid 5-amide
- Visit the product page on our website (www.biospectra.us) for additional information, supporting regulatory documents, and CofAs.

Storage and Shipping Conditions

Refer to SDS.