

L-GLUTAMINE, SYNTHETIC

USP, GMP

CAS #: 56-85-9

Formula: $C_5H_{10}N_2O_3$

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 (Fe)	< = 10 ppm
Loss on Drying	< = 0.3%
Specific Optical 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.

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.

Package Sizes

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

This is not considered a controlled document. We are not responsible for any errors or omissions.