

L-GLUTAMINE, SYNTHETIC

USP, GMP

CAS #: 56-85-9

Formula: $C_5H_{10}N_2O_3$

F.W.: 146.14 g/mol

LGLM-6201
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 |

Intended for Use in Biopharmaceutical & Biotechnological Applications and Products

L-Glutamine is synthesized under cGMP conditions and meets compendial applications. It is used as a supplemental energy source for certain types of mammalian cells as well as other biopharmaceutical manufacturing applications.

Country of Origin: India

Blended, tested and packaged in Bangor, PA, USA under cGMP conditions

General Product Description

- Appears as white crystals or crystalline powder
- GMP manufactured in accordance with the certified management system
- Manufactured in an enzyme free, hormone free and animal free environment
- Contains 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 or derivatives.
- Is not subject to genetic modification
- Synonyms: (S)-2,5-Diamino-5-oxopentanoic acid, L-Glutamic acid 5-amide, Levoglutamide
- Visit the product page on our website (www.biospectra.us) for additional information, supporting regulatory documents, and CoAs.

Storage and Shipping Conditions

Refer to SDS.

Standard Shelf Life Policy

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

Package Sizes

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

Standard Lead Time

1-2 weeks

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