

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

General Product Overview

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.

[Click here to view SDS, CoAs and other supporting regulatory documents on our website.](#)

Industry Application

Suitable for use in biological and biotech chemical process applications from R&D through scale cGMP production.

Key Product Features

- Appears as white crystals or crystalline powder
- GMP manufactured in accordance with the QMS
- 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

Storage and Shipping Conditions

Refer to SDS.

Standard Shelf-Life Policy

Unless otherwise noted on the Shelf-Life Statement and CoA, this product has 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

This is not considered a controlled document. We are not responsible for any errors or omissions, and the user is responsible for any decisions based on the information herein.