

Product Name: L-Glutamine, ≥98.5%, Ultrapure
Catalog Number: J16285.36

CAS Number: 56-85-9
IUPAC Name: (2S)-2-amino-4-carbamoylbutanoic acid
Molecular Formula: C₅H₁₀N₂O₃
Molecular Weight: 146.15
InChI Key: ZDXPYRJPNDTMRX-VKHYHEASA-N
SMILES: N[C@@H](CCC(N)=O)C(O)=O
Synonym: L-glutamine glutamine express (genetic evolutionary nutrition) stimulina saforis glavamin
2-aminoglutaramic acid earthlink science glutamine chews chocolate (amerifit)
levoglutamide Gln L-glutaminsaeure-5-amid

Product Specification

Form: White crystalline powder
Residue on ignition: ≤ 0.1%
Loss on Drying: ≤ 0.2%
Optical Rotation: 6.3° to 7.3° (c=4 in H₂O)
Chloride content: ≤ 0.021%
Impurity content: Sulfate (SO₄): ≤ 0.028%
Trace Metal: Arsenic (As): ≤ 3 ppm
Trace Metal: Heavy Metals (Pb): ≤ 10 ppm
Trace Metal: Iron (Fe): ≤ 10 ppm
Assay (unspecified): ≥98.5%
Identification (FTIR): Conforms

Date Of Print: 04/23/2025

Product Specifications are subject to amendment and may change over time. Data contained is accurate as of the date printed.