

Chem-Impex International, Inc.

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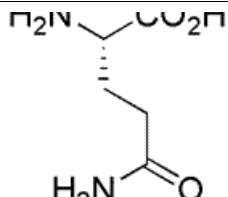
Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191



Product Specifications

Catalogue Number	29801
Product	L-Glutamine USP from non-animal origin L-Gln-OH (S)-2,5-Diamino-5-oxopentanoic acid
CAS Number	56-85-9
Molecular Formula	C ₅ H ₁₀ N ₂ O ₃
Molecular Weight	146.15

Appearance	White crystalline powder
Anion	Chloride (Cl ⁻) : ≤ 0.05% Sulfate (SO ₄ ²⁻) : ≤ 0.03%
Cation	Iron (Fe) : ≤ 30 ppm
Optical Rotation	[α] _D ²⁰ = 6.3 - 7.3 °
Loss on Drying	≤ 0.3%
Related Substances	≤ 0.5%
Residue On Ignition	≤ 0.3%
Assay by titration	98.5 - 101.5% (On dry basis)
Grade	Meets USP specification
Storage	Store at RT
Additional Information	Identification A : IR : Conforms to structure

For Laboratory Use Only