

Chem-Impex International, Inc.

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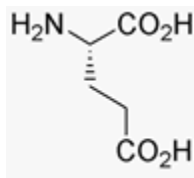
Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191



Product Specifications

Catalogue Number 00161

Product **L-Glutamic acid**

L-Glu-OH

(S)-1-Aminopropane-1,3-dicarboxylic acid

CAS Number 56-86-0

Molecular Formula C₅H₉NO₄

Molecular Weight 147.14

Appearance White to almost white crystalline powder

Heavy Metals ≤ 10 ppm

Anion Sulfates (SO₄): ≤ 300 ppm
Chlorides (Cl): ≤ 200 ppm

Cation Iron (Fe): ≤ 10 ppm
Ammonium (NH₄): ≤ 200 ppm

Optical Rotation [α]_D²⁰ = +30.5 to +32.5°

Loss on Drying ≤ 0.50%

Other Amino Acids Chromatographically not detectable

Sulfated Ash ≤ 0.10%

Assay 98.5-100.5%

Storage Store at RT

Additional Information State of solution: Clear and colorless
Ninhydrin positive substances: Not more intense than the spot with reference solution (0.5%)

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For Laboratory Use Only