



Tongliao Meihua Biological Sci-Tech Co.,Ltd

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L-Glutamine FCC X

Appearance: white Crystalline powder

Formula: C₅H₁₀N₂O₃

Molecular weight: 146.15

Shelf Life: 3Years

Specification:

项目 Item	标准 Standard
性状 Appearance	结晶粉末 Crystalline powder
颜色 Color	白色 Whitish
气味 Aroma	无 None
味道 Flavor	略有甜味 Slightly sweet
鉴定 Identification	Infrared absorption
含量 Assay	98.5-101.5%
白度 Whiteness	≥95
氨基酸中不溶杂质 insoluble foreign matter in amino acids	≤0.05mg/g
目数 mesh size passes through 120mesh	≥95%
松密度 untapped bulk density	≥0.52g/ml
比旋度 Specific Rotation [α] _{D20} °HCL solution	+6.3 ⁰ – +7.3 ⁰
干燥失重 Loss on Drying	≤0.3%
炽灼残渣 Ignited residue	≤0.1%
重金属 Heavy metals	≤5ppm
砷(Arsenic)	≤1ppm
铅 (Lead)	≤3ppm
镉 Cadmium	≤1ppm
汞 Mercury	≤0.1ppm
总菌数 Total plate count	≤1000 cfu/g
酵母菌和霉菌 Yeast and Moulds	≤100 cfu/g
沙门氏菌 Salmonella	Absent in 10g
大肠菌群 Coliforms	≤ 3 MPN/g



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Application

1. Building muscle: L-Glutamine plays an important role in protein metabolism, promotes a positive nitrogen balance, stimulates the release of growth hormone, insulin and testosterone, and prevents the loss of muscle.
2. Boost energy, endurance and stamina.
3. Enhanced immune response, improved recovery and faster wound healing.
4. Participate in the compound of Glutathione.
5. L-Glutamine is necessary for the health of the gastrointestinal tract, especially that of the stomach lining.
6. Glutamine readily crosses the blood / brain barrier and becomes Glutamic Acid, an important brain fuel.
7. Keep the normal function of kidney, pancreas and liver
8. To be used as nutrition supplement, flavor enhancer.
9. Use in the cosmetic to keep moisture.