



武汉远大弘元股份有限公司

Wuhan Grand Hoyo Co., Ltd.

Add.: Rm 601, Block B, Dingye Bldg., Int. Ent. Center, No. T1, Guanshan 2nd Road, East Lake High-tech Development Zone, Wuhan, China

Tel : 86-27-87591573

Fax : 86-27-87452206

E-Mail : [pengxiong.public@grandhoyo.com](mailto:pengxiong.public@grandhoyo.com)

## SPECIFICATIONS OF L-ARGININE

Product Name: L-Arginine (Non-animal Source)

CAS NO.: 74-79-3

Molecular formula: C<sub>6</sub>H<sub>14</sub>N<sub>4</sub>O<sub>2</sub>

Molecular weight: 174.20

Item 项目	Specification 标准 (USP43)
外观 Appearance	White Crystalline powder
鉴别 Identification	Infrared Absorption
比旋光度 Specific rotation [α] <sub>D</sub> 20	+26.3~ +27.7°
干燥失重 Loss on Drying	Not more than 0.5%
灼烧残渣 Residue on ignition (sulfated)	Not more than 0.30%
含氯量 Chloride(Cl)	Not more than 0.05%
硫酸根 Sulfate(SO <sub>4</sub> )	Not more than 0.03%
铁 Iron(Fe)	Not more than 30ppm
重金属 Heavy metals	Not more than 15ppm
铅 Lead	Not more than 3ppm
砷 Arsenic( AS <sub>2</sub> O <sub>3</sub> )	Not more than 1ppm
镉 Cadmium	Not more than 1ppm
汞 Mercury(Hg)	Not more than 0.1ppm
色谱纯度 Chromatographic purity	NMT 0.5% of any individual impurity is found. NMT 2.0% of total impurities is found.
残留溶剂 Residual Solvents	Meets the requirements
含量 Assay	98.5 to 101.5%
Mesh Size	NLT 90% PASS 20MESH
Density	Bulk Density: Report Only
	Tap Density: Report Only
Total plate count	Less than 1000cfu/g
Yeast & Mold	Less than 100cfu/g
Coliforms	Negative
E Coli	Negative
Salmonella	Negative
Pseudomonas	Negative
S. Aureus	Negative

**Storage:** Preserve in tight containers at controlled room temperature.

**Shelf life:** Recommend 2 years.