



武汉远大弘元股份有限公司

Wuhan Grand Hoyo Co., Ltd.

Add : Rm 601, Block B, Dingye Bldg., International Enterprise
Center, No. T1, Guanshan 2nd Road, East Lake High-tech
Development Zone, Wuhan, Hubei, China
Tel : +86-27-87800409
Fax : +86-27-87452206
E-m : davidliu.public@hotmail.com
Web : www.whuhoyo.com

SPECIFICATIONS OF L-CYSTEINE HCL ANHYDROUS VEGAN

Product Name: L-Cysteine HCL Anhydrous Non-Animal Source / Vegan

CAS NO.: 52-89-1

| Item 项目 | Specification 标准 AJI92 |
|---|---|
| 外观 Appearance | White crystalline powder |
| 鉴别 Identification | Infrared absorption |
| 比旋度 Specific rotation $[\alpha]_{D^{20}}$ | +5.6 to +8.9° |
| 溶解状况 State of solution (Transmittance) | Clear and colorless Not less than 98.0% |
| 含氯量 Chloride(Cl) | 22.20 to 22.60 % |
| 铵盐 Ammonium(NH ₄) | Not more than 0.02 % |
| 硫酸根 Sulfate(SO ₄) | Not more than 0.020 % |
| 铁 Iron(Fe) | Not more than 10ppm |
| 铅 Lead | Not more than 3ppm |
| 重金属 Heavy Metal(Pb) | Not more than 10ppm |
| 镉 Cadmium | Not more than 1ppm |
| 汞 Mercury(Hg) | Not more than 0.1ppm |
| 砷 Arsenic(as As ₂ O ₃) | Not more than 1ppm |
| 其他氨基酸 Other amino acids | Chromatographically Not detectable |
| 干燥失重 Loss on Drying | Not more than 1.0 % |
| 灼烧残渣 Residue on ignition(sulfated) | Not more than 0.1 % |
| 含量 Assay | 98.0% to 101.5% |
| PH | 1.5 to 2.0 |
| Total plate count | Less than 1000cfu/g |
| Yeast & Molds | Less than 100cfu/g |
| Coliforms: | Less than 10cfu/g |
| E Coli | Negative |
| Salmonella | Negative |
| S.Aureus | Negative |
| Mesh Size | 100Mesh |

Storage: Preserve in tight containers at controlled room temperature.

Shelf life: Recommend 2 years.

Origin: D,L-2-amino-Δ²-thiazoline-4-carboxylic acid (ATC)

Version date: Feb 18, 2025