



武汉远大弘元股份有限公司

Wuhan Grand Hoyo Co., Ltd.

Add. : 399 Luoyu Road, Wuhan, China.
Tel : 86-27-87455429, 87800409
Fax : 86-27-87452206
E-Mail : whuhoyo@gmail.com
Web : www.whuhoyo.com

SPECIFICATIONS OF L-CYSTEINE HCl MONOHYDRATE

Product Name: L-Cysteine HCl Monohydrate

CAS NO.: 7048-04-6

Item 项 目	Specification 标准 AJI92	
外 观 Appearance	White crystalline powder	Visual
鉴 别 Identification	Infrared Absorption	IR
比旋度 Specific rotation $[\alpha]_D^{20}$	+5.5 to+ 7.0°	AJI Test 1
溶解状况 State of solution (Transmittance)	Clear and colorless Not less than 98.0%	AJI Test 2
含 氯 量 Chloride(Cl)	19.89 to 20.29%	AJI Test 3
氨 盐 Ammonium(NH ₄)	Not more than 0.02%	AJI Test 4
硫 酸 根 Sulfate(SO ₄)	Not more than 0.020%	AJI Test 5
铁 Iron(Fe)	Not more than 10ppm	AJI Test 6
重 金 属 Heavy metals(Pb)	Not more than 10ppm	AJI Test 7
砷 Arsenic(as As ₂ O ₃)	Not more than 1ppm	AJI Test 8
其他氨基酸 Other amino acids	Chromatographically Not detectable	AJI Test 9
干燥失重 Loss on Drying	8.5 to 12.0%	AJI Test 11
灼烧残渣 Residue on ignition(sulfated)	Not more than 0.10%	AJI Test 13
含 量 Assay	99.0 to 100.5 %	AJI Test 16
pH	1.5 to 2.0	AJI Test 33
粒度 Particle Size	40Mesh	Sieve

Storage: Preserve in tight containers at controlled room temperature.

Shelf life: Recommend 2 year.