



武汉远大弘元股份有限公司

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SPECIFICATION OF N-ACETYL-L-CYSTEINE

PRODUCT NAME: N-ACETYL-L-CYSTEINE

CAS #: 616-91-1

Item 项目	Specification 标准(AJ192)
性状 Characters	White crystals or crystalline powder
鉴别 Identification	Infrared Absorption
比旋度 Specific rotation [α]D20	+21.3 to +27.0°
溶解状况 State of solution (Transmittance)	Clear and colorless Not less than 98.0%
含氯量 Chloride(Cl)	Not more than 0.04%
铵盐 Ammonium(NH ₄)	Not more than 0.02%
硫酸根 Sulfate(SO ₄)	Not more than 0.030%
铁 Iron(Fe)	Not more than 10ppm
重金属 Heavy metals(Pb)	Not more than 10ppm
铅 Lead	Not more than 3ppm
砷 Arsenic(as As ₂ O ₃)	Not more than 1ppm
镉 Cadmium	Not more than 1ppm
汞 Mercury(Hg)	Not more than 0.1ppm
其他氨基酸 Other amino acids	Chromatographically Not detectable
干燥失重 Loss on Drying	Not more than 0.5%
灼烧残渣 Residue on ignition(sulfated)	Not more than 0.2%
含量 Assay	98.5 to 101.5 %
pH	2.0 to 2.8
熔点 Melting point	106 to 110°C
Total plate count	Less than 1000 cfu/g
Yeast & molds	Less than 100 cfu/g
Coliforms:	Less than 10 cfu/g
E Coli	Negative in 25g
Salmonella	Negative in 25g
S.Aureus	Negative

Storage: Preserve in tight containers at controlled room temperature.

Shelf life: Recommend 3 years.