



武汉远大弘元股份有限公司

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SPECIFICATIONS OF L-CITRULLINE

Product Name: L-Citrulline

CAS NO.: 372-75-8

Item 项目	Specification 标准(AJI92)	Test Methods 检测方法
外观 Appearance	White crystals or crystalline powder	Visual
比旋度 Specific rotation $[\alpha]_{D20}$	+24.5 to +26.8°	AJI TEST 1
鉴别 Identification	As Per AJI92	Chromogenic Reaction
State of solution(Transmittance)	Not less than 98.0%	AJI TEST 2
含氯量 Chloride(CL)	Not more than 0.020%	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
铅 Lead	Not more than 3ppm	AFS
砷 Arsenic(AS ₂ O ₃)	Not more than 1ppm	AJI TEST 8
镉 Cadmium	Not more than 1ppm	AFS
汞 Mercury(Hg)	Not more than 0.1ppm	AAS
干燥失重 Loss on Drying	Not more than 0.30%	AJI TEST 11
Residue on ignition(sulfated)	Not more than 0.10%	AJI TEST 13
含量 Assay	98.5 to 101.0%	AJI TEST 15
Particle Size	Report Only	Sieving
Bulk Density	Report Only	Weighing
Tapped Density	Report Only	Weighing
pH	5.0 to 7.0	AJI TEST 33
Total plate count	Less than 1000 cfu/g	CP
Yeast & molds	Less than 100 cfu/g	CP
Coliforms:	Less than 10 cfu/g	CP
E Coli	Negative	CP
Salmonella	Negative	CP
Pseudomonas	Negative	CP
S.Aureus	Negative	CP

Remarks: Fermentation /Non-animal Source.

Storage: Preserve in tight containers at controlled room temperature.

Shelf life: Recommend 2 years.