



上海源叶生物科技有限公司
Shanghai yuanye Bio-Technology Co., Ltd
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质量检验报告

CERTIFICATE OF ANALYSIS

产品名称(Product Name): L-色氨酸

英文名称(English Name): L-Tryptophan

分子式(Molecular Formula): C₁₁H₁₂N₂O₂ 分子量(Molecular Wt): 204.228

CAS: 73-22-3 储存条件(Storage Condition): RT

货号(Item No): V90800 批号(Lot. Number): 17Y3326157

分析项目 SPECIFICATION PROPERTIES	技术指标 STANDARD	实测结果 RESULTS
Appearance	White to yellow crystals to powder to crystalline powder	White to yellow crystals to powder to crystalline powder
Assay	99-100.5%(dry basis)	100.16000 %
Specific Rotation [α] ₂₀ /D(0.1g/10mL 1M HCl)EP and JP	-32.5~-30.5 (°)	-30.60000 °
Specific Rotation [α] ₂₀ /D(c=1 H ₂ O)	-32.8~-29.4 (°)	-30.60000 °
Ammonia (NH ₄)	0-0.02 (%)	0.00150 %
Chloride (Cl ⁻)	0-0.02 (%)	0.00100 %
Loss on drying	0-0.1 (%)	0.00200 %
PH(1% in Water)	3-3.5	3.20000
Arsenic(As)	0-1 (ppm)	0.50000 ppm
Ignition Residue	0-0.1 (%)	0.00200 %
Iron(Fe)	0-20 (ppm)	15.00000 ppm
Heavy metals	0-10 (ppm)	8.00000 ppm
Sulfate(SO ₄ ²⁻)	0-0.02 (%)	0.00100 %
Endotoxin Assay	0-1 (EU/mg)	0.04000 EU/mg
Assay(dry basis)	99-100.5 (%)	100.16000 %



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Infrared spectrum	Conforms to Structure	Conforms to Structure
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Quality Assurance: Xiaoyong Tan

Quality Control: Yunfei Zhu



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