

Aladdin warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Aladdin-e.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

Specification Sheet

Product Name: **L-Tryptophan**
Specifications & Purity: animal free, Low Endotoxin, ≥99%,for cell culture
SKU #: **T655568**

Parameter	Limit Values
Appearance(T655568)	white or white-like to yellow crystals,powder,crystalline powder,flakes
Infrared spectrum	Conforms to Structure
Specific Rotation [α] ₂₀ /D(c=1 in H ₂ O)	-32.8~-29.4 (°)
Solubility,Clear,0.5 g to 20 mL of 2M HCl	Pass
Origin(Non-Animal Source)	Pass
Ninhydrin-positive substances (other amino acids)	Conforms
PH test(1% in water)	5.4-6.4
Sulfate(SO ₄ ²⁻)	0-0.02 (%)
Iron(Fe)	0-20 (ppm)
Ammonia (NH ₄)	0-0.02 (%)
Endotoxin Assay	0-20 (EU/mg)
Chloride (Cl ⁻)	0-0.02 (%)
Arsenic(As)	0-1 (ppm)
Ignition Residue	0-0.1 (%)
Heavy metals	0-10 (ppm)
Cell Culture Test	pass
Loss on drying	0-0.5 (%)
Total Plate Count	≤1000(CFU/g)
Assay (dry basis)	98.5-101.5 (%)

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