

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaaldrich.comEmail USA: techserv@sial.comOutside USA: eurtechserv@sial.com

Product Specification

Product Name:

L-Tryptophan – from non-animal source, meets EP, JP, USP testing specifications, suitable for cell culture, 99.0–101.0%

Product Number:**T8941****CAS Number:**

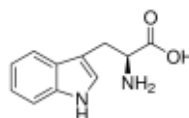
73-22-3

MDL:

MFCD00064340

Formula:C₁₁H₁₂N₂O₂**Formula Weight:**

204.23 g/mol



TEST	Specification
Appearance (Color)	White to Yellow
Appearance (Form)	Crystalline Powder
Solubility (Turbidity)	Clear
0.5 g to 20 mL of 2M HCl	
Appearance of Solution	Conforms
Clear solution at 0.1g / 10mL 1M HCl. Color not more intense than standard.	
Specific Rotation	-32.5 - -30.5 °
20 Deg C; EP and JP	
Specific Rotation	-32.8 - -29.4 °
25 Deg C; USP	
Chloride Content	Pass
< or = 0.020%	
Ammonium	≤ 0.02 %
Sulfate	Pass
< or = 0.020%	
Iron (Fe)	Pass
< or = 20ppm	
Arsenic (As)	Pass
< or = 1ppm	
Residue on ignition (Ash)	≤ 0.10 %
Residual Solvents	Meets Requirements
Ninhydrin-Positive Substances	Conforms
Other Amino Acids	
pH	5.5 - 6.4
1% in H ₂ O	

Sigma-Aldrich 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 Sigma-Aldrich.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.

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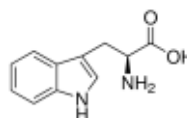
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C₁₁H₁₂N₂O₂

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204.23 g/mol



TEST	Specification
Assay	99.0 - 101.0 %
dry basis	
Loss on Drying	≤ 0.20 %
Identification	Pass
Impurity	Pass
impurity A and other related substances	
Organic Impurities	Pass
Total impurities 1, total impurities 2 and tryptophan related compound A	
Infrared spectrum	Conforms to Structure
Endotoxin Assay	≤ 1 EU/mg
Cell Culture Test	Pass
Origin	Conforms
Must be Non-Animal Source	
Recommended Retest Period	-----
4 years	
Note	-----
Meets USP, EP, and JP testing specifications	

Specification: PRD.3.ZQ5.10000010199

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