

Product Specification

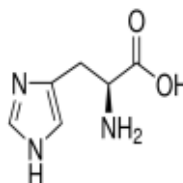
Product Name:
L-Histidine -

Product Number: **H3911**

CAS Number: 71-00-1

Formula: C₆H₉N₃O₂

Formula Weight: 155.15 g/mol



TEST	Specification
Appearance (Color)	White
Appearance (Form)	Crystalline Powder
Appearance of Solution	Pass
Solubility (Turbidity)	Clear
0.5g to 10 mL of water	
Solubility (Color)	Colorless
0.5g to 10 mL of water	
Identification A (EP)	Pass
Identification B (EP)	Pass
Iron (Fe)	≤ 10 ppm
Loss on Drying (USP)	≤ 0.20 %
Ammonium	≤ 0.02 %
Assay (EP) (dried basis)	98.5 - 101.0 %
Chloride (EP)	≤ 0.020 %
Chromatographic Purity	≤ 2.0 %
Cytotoxicity	Pass
Ninhydrin-Positive Substances	Conforms
pH	7.0 - 8.5
1.0g in 50 mL water	
Endotoxin Assay	≤ 1 EU/mg
Residual Solvents	Meets Requirements
Arsenic (As)	≤ 1.0 ppm
Specific Rotation (EP)	11.4 - 12.4 °
c = 11, 3 M HCl, dried basis, 20°C	

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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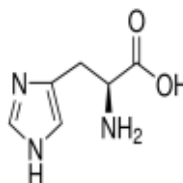
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TEST	Specification
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Specific Rotation (USP) c = 11, 6 N HCl, dried basis, 25°C	12.6 - 14.0 °
Specific Rotation c = 11, 6 N HCl, dried basis, 20°C	12.0 - 12.8 °
Sulfate (SO ₄)	≤ 0.020 %
Residue on Ignition	≤ 0.10 %

Specification: PRD.1.ZQ5.10000051118

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