

3050 Spruce Street, Saint Louis, MO 63103, USA

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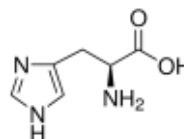
Outside USA: eurtechserv@sial.com

Product Specification

Product Name:

L-Histidine - cell culture tested, meets EP, USP testing specifications, from non-animal source

Product Number: H6034
CAS Number: 71-00-1
MDL: MFCD00064315
Formula: C₆H₉N₃O₂
Formula Weight: 155.15 g/mol



TEST

Specification

Appearance (Color)	White to Off White
Appearance (Form)	Crystalline Powder
Solubility (Color)	Colorless
Solubility (Turbidity)	Clear
0.5 g to 10 ml, H ₂ O	
Identity by IR	Conforms to Structure
Origin	Non-Animal Source
Specific Rotation	12.0 - 12.8 °
C = 11, 6 M HCl, 20 Deg C/EP	
Specific Rotation	12.6 - 14.0 °
C = 11, 6 M HCl, 25 Deg C/USP	
Chloride (Cl)	< = 0.020%
Ammonium	≤ 0.02 %
Sulfate	< = 0.020%
Iron (Fe)	< = 10 ppm
Arsenic (As)	< = 1 ppm
Loss on Drying	≤ 0.20 %
Residue on ignition (Ash)	≤ 0.10 %
Ninhydrin-Positive Substances	Conforms
other amino acids	
pH	7.0 - 8.5
2% in H ₂ O	
Assay (Dry Basis)	98.5 - 101.0 %
Residual Solvents	Meets Requirements
Endotoxin Level	≤ 1 EU/mg

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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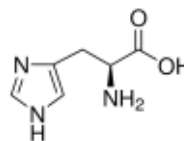
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Formula Weight:

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**TEST****Specification**

Cell Culture Test

Pass

Note

Meets EP and USP testing specifications

Recommended Retest Period

4 years

Specification: PRD.5.ZQ5.10000032450

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