



INDOFINE Chemical Company, Inc.

121 Stryker Lane, Bldg. 30, Suite 1 • Hillsborough, NJ 08844 • U.S.A.

Phone: (908) 359-6778 • FAX: (908) 359-1179

website: www.indofinechemical.com

e-mail: chemical@indofinechemical.com

Certificate of Analysis

Catalogue Number 04-1769
Lot Number CB110414
Product **L-Histidine hydrochloride monohydrate**

L-His-OH•HCl•H₂O

CAS Number 5934-29-2
Molecular Formula C₆H₉N₃O₂•HCl•H₂O

Molecular Weight 209.6

Appearance	White crystals or crystalline powder
Heavy Metals	< 10 ppm
Arsenic (As₂O₂)	< 1 ppm
Anion	Chloride (Cl ⁻): 16.9% Sulfate (SO ₄ ²⁻): < 0.02%
Cation	Ammonium (NH ₄): < 0.02% Iron (Fe): < 10 ppm
pH	3.8
Optical Rotation	[α] _D ²⁰ = +9.3°
Infrared Spectrum	Conforms to structure
Transmission	99.1%
Loss on Drying	0.16%
Other Amino Acids	Chromatographically not detectable
Residue On Ignition	0.04%
Assay by titration	99.68% (anhydrous basis)
Storage	Store at RT