



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

Catalog Number	025807
Product Name	H-Cit-OH L-Citrulline H-Orn(carbamoyl)-OH 8B00288057
Lot Number	372-75-8
CAS Registry Number	C ₆ H ₁₃ N ₃ O ₃
Molecular Formula	175.19
Molecular Weight	White crystalline powder
Appearance	$\alpha_D^{20} = +25.6^\circ$
Specific Optical Rotation	99.4%
State of Solution (Transmittance)	pH 6.2
pH	Chloride (Cl) < 0.020%
Chloride (Cl)	Ammonium (NH ₄) < 0.020%
Ammonium (NH ₄)	Sulfate (SO ₄) < 0.020%
Sulfate (SO ₄)	Iron (Fe) < 10 ppm
Iron (Fe)	Heavy Metals < 10 ppm
Heavy Metals	Arsenic (As ₂ O ₃) < 1 ppm
Arsenic (As ₂ O ₃)	Other Amino Acids Chromatographically not detectable
Other Amino Acids	Loss on Drying 0.10%
Loss on Drying	Residue on Ignition (Sulfated) 0.06%
Residue on Ignition (Sulfated)	Assay 99.6%
Assay	Storage Store at 0-5°C
Storage	