



# 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](http://www.indofinechemical.com)

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## Certificate of Analysis

Catalog Number	BIO-432
Product Name	H-Trp-OH L-Tryptophan
Lot Number	0170323
CAS Registry Number	73-22-3
Molecular Formula	C <sub>11</sub> H <sub>12</sub> N <sub>2</sub> O <sub>2</sub>
Molecular Weight	204.20
Appearance	White crystalline powder
Specific Optical Rotation	$\alpha_D^{20} = -32.1^\circ$
Specific Optical Rotation	$\alpha_D^{25} = -31.8^\circ$
Identification	Pass test
State of Solution (T%)	> 95.0%
pH	6.0
Ammonium (NH <sub>4</sub> )	< 0.020%
Chloride (Cl)	< 0.020%
Sulfate (SO <sub>4</sub> )	< 0.020%
Iron (Fe)	< 10ppm
Heavy Metals (Pb)	< 5ppm
Arsenic (As <sub>2</sub> O <sub>3</sub> )	< 1ppm
Foreign Amino Acids	< 0.5% (TLC 30 $\mu$ g)
Loss on Drying	0.06%
Residue on Ignition	0.00%
Assay (dry basis)	100.1%
Storage	Store at RT



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Arsenic (As <sub>2</sub> O <sub>3</sub> )	< 1ppm
Foreign Amino Acids	< 0.5% (TLC 30μg)
Loss on Drying	0.06%
Residue on Ignition	0.00%
Assay (dry basis)	100.1%
Storage	Store at RT